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NPIC/R-239/63  
October 1963

PHOTOGRAPHIC INTERPRETATION REPORT

OAK - PART II  
MISSION 1002-1  
24-26 SEPTEMBER 1963

DECLASS REVIEW by NIMA/DOD



CIA

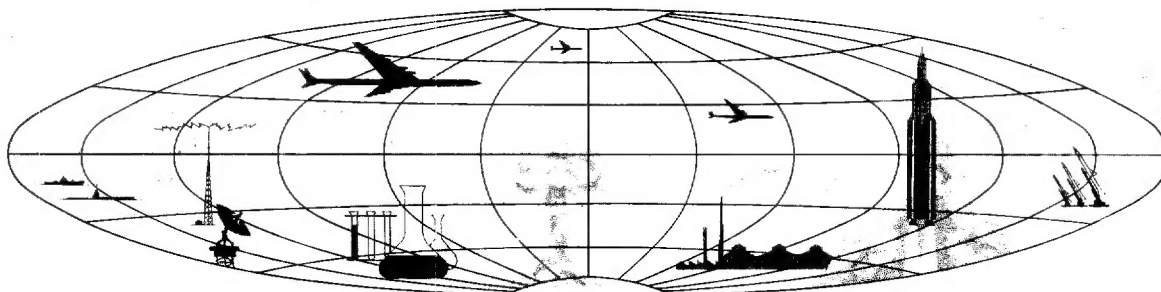


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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



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OAK - PART II  
MISSION 1002-1  
24-26 SEPTEMBER 1963

PREFACE

25X1D THIS IS THE SECOND AND LAST DAILY OAK REPORT ON MISSION [REDACTED] AND DEALING WITH THE HIGHEST-PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 HOURS 2 OCTOBER 1963, TO 1500 HOURS, 3 OCTOBER 1963, PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS NOT OBSERVED ON MISSION 1002-1 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. ALL TARGETS IN THIS REPORT ARE LOCATED IN THE USSR UNLESS OTHERWISE INDICATED.

25X1D [REDACTED]

CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMI-DARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 1002-1 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

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HIGHLIGHTS

- 25X1A 1. FIXED FIELD-TYPE MRBM LAUNCH SITE NEAR KHMELNITSKIY  
(SEE COMOR [REDACTED])  
A NEWLY IDENTIFIED FIXED FIELD-TYPE MRBM LAUNCH SITE CONSISTING OF  
2 PAD CLEARINGS IS LOCATED AT 49-25-00N 027-06-30E.
- 25X1A 2. FIXED FIELD-TYPE MRBM LAUNCH SITE NEAR YARMOLINTSY  
(SEE COMOR [REDACTED])  
A NEWLY IDENTIFIED FIXED FIELD-TYPE MRBM LAUNCH SITE CONSISTING OF  
4 PAD CLEARINGS IS LOCATED AT 49-12-00N 026-46-45E.
3. NARVA SUSPECT MISSILE SITE (MISSILE BONUS 1)  
AN H-SHAPED SUSPECT MISSILE SITE UNDER CONSTRUCTION HAS BEEN  
IDENTIFIED AT 59-39-30N 028-24-10E.
- 25X1A 4. MOSCOW SUSPECT ABM AREA (COMOR [REDACTED])  
UNIDENTIFIED SCARRING OBSERVED ON ONE OF THE RIB-ROADS AT MOSCOW  
SA-1 SAM SITE C-33. TWO NEWLY IDENTIFIED CIRCULAR AREAS ARE PRESENT  
AT MOSCOW SA-1 SAM SITE E-04.
- 25X1A 5. RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT (COMOR [REDACTED])  
ONE BOUNDER AND ONE PROBABLE BOUNDER AIRCRAFT OBSERVED AT RAMENSKOYE  
AIRFIELD.
- 25X1A 6. SHUANG-CHENG-TZU MISSILE TEST CENTER (CHINA) (COMOR [REDACTED])  
AN OBJECT APPROXIMATELY 80 FT LONG IS POSITIONED AT THE CENTER OF  
LAUNCH PAD A1.

NOTE -- WHERE TYPES OF DEPLOYED ICBM LAUNCH SITE CONFIGURATIONS HAVE  
BEEN SPECIFIED IN THIS REPORT, THE CURRENT TERMINOLOGY EMPLOYED BY  
GMAIC (GUIDED MISSILES AND ASTRONAUTICS INTELLIGENCE COMMITTEE) HAS  
BEEN USED. DIFFERENCES BETWEEN THE GMAIC TERMINOLOGY AND THE FORMER  
TERMINOLOGY USED IN NPIC REPORTS ARE AS FOLLOWS.

CURRENT	FORMER
I	I
IIA	IIA
IIB	IIB
IIC	IV
IID	IIC
IIIA	III
IIIB	V

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STATUS OF COMOR READOUT

A TOTAL OF 75 COMOR TARGETS WERE OBSERVED IN THE CURRENT REPORTING PERIOD. IN ADDITION, 3 BONUS TARGETS ARE INCLUDED.

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25X1A

MISSILES

VERKHNYAYA SALDA ICBM LAUNCH COMPLEX 5802N 06023E

LAUNCH AREA G APPEARS TO BE COMPLETELY BACKFILLED AND IS NOW IN A LATE STAGE OF CONSTRUCTION. NO SIGNIFICANT CHANGES NOTED IN VISIBLE AREAS OF REMAINDER OF COMPLEX.

LAUNCH AREAS A, C, F, G ARE CLEAR. THE COMPLEX SUPPORT FACILITY, LAUNCH AREA D, E AND H ARE PARTIALLY CLOUD-COVERED OR IN CLOUD SHADOW. LAUNCH AREAS B AND I ARE CLOUD COVERED. A 50-NM SEARCH REVEALED NO ABM ACTIVITY.

25X1D

TYURA TAM MISSILE TEST CENTER 4550N 06318E

MISSION 1002-1 PROVIDES COMPLETE COVERAGE OF THE RANGEHEAD, HOWEVER STEREO INTERPRETATION IS HAMPERED BY FOGGING ON THE FORWARD CAMERA.

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LAUNCH COMPLEX C -- A TRIAD, SIMILAR TO ONE PREVIOUSLY IDENTIFIED AT LAUNCH COMPLEX E HAS BEEN CONSTRUCTED BEHIND LAUNCH PAD C3. SIMILAR TRIADS HAVE BEEN OBSERVED AT DEPLOYED TYPE IIC AND IID LAUNCH SITES. NO OTHER SIGNIFICANT CHANGE SINCE [REDACTED] NUMEROUS VEHICLES OBSERVED IN COMPLEX.

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LAUNCH COMPLEX D -- LAUNCH AREA D1. NO SIGNIFICANT CHANGE SINCE [REDACTED] AN UNIDENTIFIED OBJECT IS LOCATED ADJACENT TO THE RIGHT SILO COVER AND ANOTHER IS ADJACENT TO THE CENTER SILO COVER. INITIAL MEASUREMENTS OF SHADOW INDICATE THESE OBJECTS ARE APPROXIMATELY [REDACTED] LAUNCH AREA D2 -- NO APPARENT CHANGE SINCE [REDACTED] D1 APPEARS COMPLETE. D2 STILL IN A MID-STAGE OF CONSTRUCTION.

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LAUNCH COMPLEX E -- NO APPARENT CHANGE SINCE [REDACTED] COMPLEX APPEARS COMPLETE.

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LAUNCH COMPLEX F -- PROBABLY IN LATE STAGE OF CONSTRUCTION. A RECTANGULAR APRON, PROBABLY CONCRETE HAS BEEN CONSTRUCTED AROUND THE SILOS. THE CONTROL BUNKER IS PROBABLY EARTH-MOUNDED. NO OTHER APPARENT CHANGE SINCE [REDACTED]

LAUNCH COMPLEX G -- CONSTRUCTION CONTINUES. A PROBABLY COMPLETE FLAT CIRCULAR LAUNCH PAD (G1) IS IDENTIFIED BETWEEN THE BUNKERED STRUCTURES FORWARD OF THE LEFT READY BUILDING. THERE IS A CIRCULAR CONFIGURATION ON THE LAUNCH PAD WHICH IS SIMILAR TO THOSE PREVIOUSLY OBSERVED AT LAUNCH COMPLEX E. AN UNIDENTIFIED STRUCTURE IS ON THE RAIL ADJACENT TO THE CIRCULAR CONFIGURATION ON THE LAUNCH PAD. THE PREVIOUSLY REPORTED TOWER IS NOW LOCATED BETWEEN THE READY BUILDING AND THE LAUNCH PAD.

LAUNCH PAD G2 IS STILL UNDER CONSTRUCTION, HOWEVER, THE BUNKERED STRUCTURES ARE COMPLETE. THE READY BUILDING IS COMPLETE AND HAS A SHOP-LIKE APPENDAGE ALONG ITS RIGHT SIDE. THE READY BUILDING IS NOT EARTH MOUNDED. A SECOND HIGH TOWER PROBABLY IDENTICAL TO THE ONE ASSOCIATED WITH PAD G1 IS LOCATED BETWEEN G2 AND ITS READY BUILDING. BOTH TOWERS APPEAR TO BE ON RAILS.

THE ROAD AND ROAD-SERVED AREA OF CONSTRUCTION 2 NM EAST OF G1-G2 IS IDENTIFIED AS A SECOND LAUNCH AREA CONTAINING TWO LAUNCH PADS UNDER CONSTRUCTION (G3-G4). TWO EXCAVATIONS ESTIMATED TO BE APPROXIMATELY 35 FT DEEP, AND SPACED APPROXIMATELY 1,800 FT APART ARE PROBABLE LOCATIONS FOR THE LAUNCH PADS. BUILDINGS UNDER CONSTRUCTION ADJACENT TO THE EXCAVATIONS HAVE A SIMILAR CONSTRUCTION PATTERN BUT WITH PARALLEL RATHER THAN MIRROR IMAGE ARRANGEMENTS. AN EMBANKMENT IS UNDER CONSTRUCTION FROM THE END OF THE RAIL SPUR AND CURVES TO A POINT EAST OF THE EXCAVATION AT G-4.

25X1D

NO SIGNIFICANT CHANGE OBSERVED IN THE SUPPORT FACILITY OR THE 2 AREAS OF UNIDENTIFIED ACTIVITY WEST OF LAUNCH COMPLEX G SINCE [REDACTED] SUPPORT FACILITY IS IN A MID-STAGE OF CONSTRUCTION.

LAUNCH COMPLEX H -- CONSTRUCTION CONTINUES. TWO PROBABLE LAUNCH PADS (H1 AND H2) ARE UNDER CONSTRUCTION APPROXIMATELY 580 FT APART. EACH WILL PROBABLY CONSIST OF 4 BUILDINGS (MIRROR IMAGES)

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ARRANGED IN A CRUCIFORM WITH THE LAUNCH PAD AT THE INTERSECTION OF THE LONG AXES OF THE BUILDINGS. THE 4 BUILDINGS AT H1 ARE EARTH MOUNDED. AT PRESENT THERE ARE 3 BUILDINGS OF THE CRUCIFORM UNDER CONSTRUCTION AT H2. THE RAIL SPUR APPEARS TO DIVIDE AND EXTEND TOWARD EACH PAD. COMPLEX IS IN A MID-STAGE OF CONSTRUCTION.

25X1D

SUPPORT AREA BETWEEN COMPLEXES A AND E -- CONSTRUCTION CONTINUES. THREE H-SHAPED AND 3 BARRACKS-TYPE BUILDINGS HAVE BEEN STARTED SINCE [REDACTED] RAIL AND ROAD EMBANKMENTS ARE UNDER CONSTRUCTION AND EXTEND ENE APPROXIMATELY 4,000 FT.

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[REDACTED]  
CONSTRUCTION BETWEEN COMPLEXES A AND B.

25X1D

CENTRAL SUPPORT FACILITY -- NO APPARENT CHANGE SINCE [REDACTED]

25X1D

MAIN SUPPORT BASE -- NO APPARENT CHANGE SINCE [REDACTED]

(SEE ATTACHMENTS 1-7)

25X1D



25X1A



DROVYANAYA ICBM LAUNCH COMPLEX 5132N 11301E

LAUNCH AREA E CAN NOW BE CONFIRMED AS A TYPE IIIA LAUNCH SITE. AN EXCAVATION IS EVIDENT, BUT NO NOTCH IS APPARENT. THE SITE SUPPORT FACILITY (LOCATED ON

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THE SOUTH SIDE OF THE ACCESS ROAD, ABOUT ONE NM NNE OF THE LAUNCH SITE) CONTAINS APPROXIMATELY 25 BUILDINGS.

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LAUNCH AREA B APPEARS TO BE IN A LATE STAGE OF CONSTRUCTION.

NO SIGNIFICANT CHANGES IN THE COMPLEX SUPPORT FACILITY AND LAUNCH AREAS H, C, D, AND F.

A 50-NM SEARCH REVEALED NO ABM ACTIVITY. POOR QUALITY OF IMAGE FROM FORWARD CAMERA LIMITS STEREO COVERAGE.

25X1D

25X1A

ITATKA ICBM LAUNCH COMPLEX 5650N 08536E

NO SIGNIFICANT CHANGES IN COMPLEX SUPPORT FACILITY OR RAIL-TO-ROAD TRANSFER POINT.

LAUNCH AREAS A, B, AND C ARE CLOUD-COVERED. CLOUDS COVER 50-NM SEARCH AREA.

25X1D

SHADRINSK ICBM LAUNCH COMPLEX 5608N 06341E

LAUNCH AREA A NOW APPEARS TO BE COMPLETE. LAUNCH AREA B HAS BEEN BACKFILLED AND IS IN A LATE STAGE OF CONSTRUCTION. THE COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH AREA C SHOW NO SIGNIFICANT CHANGES BUT POOR STEREO QUALITY LIMITS INTERPRETATION OF THE EXCAVATION.

A 50-NM SEARCH REVEALS NO ABM ACTIVITY IN CLOUD-FREE AREAS.

25X1D

YEDROVO ICBM LAUNCH COMPLEX 5751N 03341E

THE YEDROVO ICBM LAUNCH COMPLEX IS COVERED BY CLOUD-FREE, GOOD QUALITY PHOTOGRAPHY. LAUNCH AREA F IS NOW COMPLETE. LAUNCH AREAS C AND G ARE STILL IN A MID STAGE OF CONSTRUCTION. NO SIGNIFICANT CHANGES

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OBSERVED AT LAUNCH AREAS A, B AND D. AT LAUNCH AREA E THERE IS AN UNIDENTIFIED OBJECT APPROXIMATELY 85 FEET IN LENGTH LYING ON THE APRON ADJACENT TO THE SILOS.

25X1

NO ABM ACTIVITY OBSERVED WITHIN A 50-NM RADIUS NORTH, WEST AND SOUTH. PHOTOGRAPHY ENDS 30 NM TO THE EAST.

25X1D

25X1A

GLADKAYA ICBM LAUNCH COMPLEX 5605N 09213E

CONSTRUCTION STILL IN PROGRESS BUT THERE ARE NO SIGNIFICANT CHANGES AT THE COMPLEX SINCE

PHOTOGRAPHIC QUALITY INFERIOR TO MISSION COMPLEX SUPPORT FACILITY PARTIALLY CLOUD-COVERED. TRANSFER POINT CLOUD-COVERED. LAUNCH AREA A IS NOW IN A LATE STAGE OF CONSTRUCTION. LAUNCH AREA C CLOUD-COVERED.

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25X1D

A 50-NM RADIUS SEARCH OF COMPLEX AREA REVEALED NO ABM ACTIVITY.

25X1D

RZHEV, SUSPECT SSM AREA 5615N 03420E

NO SSM ACTIVITY OBSERVED ON CLOUD-FREE PHOTOGRAPHY WITHIN A 50-NM RADIUS OF RZHEV. AREA CAN BE NEGATED.

25X1D

BEZHETSK, SUSPECT SSM AREA 5747N 03641E

NO SSM ACTIVITY OBSERVED ON NEARLY CLOUD-FREE PHOTOGRAPHY WITHIN A 25-NM RADIUS OF BEZHETSK.

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NPIC/R-239/63

25X1D

25X1A

KIMRY, SUSPECT SSM AREA 5652N 03721E

NO SSM ACTIVITY OBSERVED ON CLOUD-FREE PHOTOGRAPHY  
WITHIN A 25-NM RADIUS OF KIMRY. AREA CAN BE NEGATED.

25X1D

KOZELSK ICBM LAUNCH COMPLEX 5357N 03548E

THE KOZELSK ICBM LAUNCH COMPLEX IS COVERED BY CLOUD-FREE, GOOD QUALITY PHOTOGRAPHY. LAUNCH AREA A IS NOW COMPLETE. THE LAUNCH PADS CONTAIN PROBABLE ERECTORS. THERE IS A TOWER ON THE WEST BUNKER AT EACH PAD. THE READY BUILDINGS, THE TRIAD BUILDING GROUP AND THE SITE SUPPORT FACILITY ARE COMPLETE. THE TRIAD GROUP IS BUNKERED.

AT LAUNCH AREA B CONSTRUCTION IS CONTINUING. THE ELECTRONIC FACILITIES AT ALL 3 AREAS (A, B AND D) ARE NEARING COMPLETION.

25X1D

LAUNCH AREA D IS NEARING COMPLETION. THE WEST BUNKER AT EACH PAD HAS A TOWER. THE READY BUILDINGS, THE TRIAD, NOW BUNKERED, AND THE SITE SUPPORT FACILITY ARE COMPLETE.

LAUNCH AREAS E AND F ARE STILL IN A MID STAGE OF CONSTRUCTION, ALTHOUGH AREA E IS MORE ADVANCED THAN AREA F. ALL 3 SILOS ARE VISIBLE AT BOTH SITES, AS ARE THE CONTROL AND EQUIPMENT BUNKERS. AN UNIDENTIFIED AREA OF ACTIVITY IS LOCATED APPROXIMATELY 3.6 NM SOUTH OF LAUNCH AREA F AT 53-37-45N 035-37-20E. IT CONSISTS OF A CLEARING IN THE WOODS AND SEVERAL SCARRED AREAS.

TEN STORAGE TANKS UNDER CONSTRUCTION ARE LOCATED ADJACENT TO THE TRANSFER POINT. APPROXIMATELY 1.25 NM SE OF THE TRANSFER POINT A LOOP ROAD AND SEVERAL BUILDINGS ARE UNDER CONSTRUCTION. NO OTHER SIGNIFICANT CHANGES OBSERVED.

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON PASS

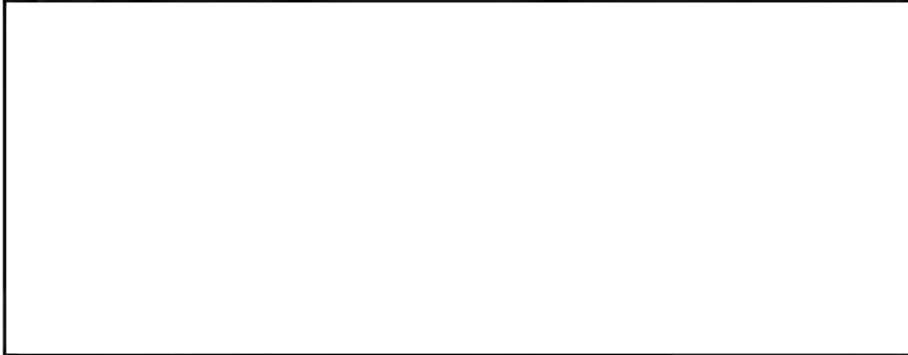
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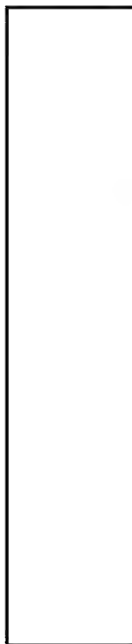


NO ABM ACTIVITY OBSERVED IN THE CLOUD-FREE AREAS  
WITHIN A 50-NM RADIUS.

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25X1A



CHAADAYEVKA, SUSP MISSILE-ASSOCIATED ACTIVITY 5307N 04602E

ACTIVITY DOES NOT HAVE CONFIGURATION OF ANY KNOWN  
SSM LAUNCH SITE. CONSTRUCTION CONTINUES. A NEW  
EXCAVATION IS IDENTIFIED NORTH OF THE RAILROAD,  
4.5 NM NE OF THE SUPPORT FACILITY.

25X1D



KOLMAKOVO, SUSPECT SSM AREA 5338N 09229E

NO SSM ACTIVITY OBSERVED ON CLOUD-FREE PHOTOGRAPHY  
WITHIN A 25-NM RADIUS OF KOLMAKOVO AREA. AREA CAN BE  
NEGATED.

25X1D



SARANSK, SUSPECT SSM AREA 5411N 04511E

NO SSM ACTIVITY OBSERVED ON CLOUD-FREE PHOTOGRAPHY  
WITHIN A 30-NM RADIUS OF SARANSK. AREA CAN BE  
NEGATED.

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KOVYLKINO, SUSPECT ICBM AREA 5402N 04356E

NO SSM ACTIVITY OBSERVED IN EASTERN HALF OF SEARCH AREA. WESTERN HALF NOT COVERED.

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VINNITSA HARD MRBM LAUNCH SITE 4917N 02820E

SITE APPEARS COMPLETE.

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KAMENETS-PODOLSKIY MRBM LAUNCH SITE 4851N 02642E

NO HARD LAUNCH SITE IDENTIFIED WITHIN A 25-NM RADIUS OF KAMENETS-PODOLSKIY MRBM LAUNCH SITE.

HOWEVER, A NEWLY IDENTIFIED FIXED FIELD-TYPE MRBM LAUNCH SITE IS LOCATED 2.5 NM WNW OF YARMOLINTSY AT 49-12-00N 026-46-45E. THE SITE CONTAINS 4 ELONGATED PAD CLEARINGS ALL ORIENTED IN THE SAME DIRECTION AND ARRANGED ON A ROAD NETWORK WITH WIDE RADIUS TURNS. NO MISSILE EQUIPMENT OR SUPPORT FACILITY OBSERVED.

(SEE ATTACHMENT 8)

25X1D

LENINAKAN/YEREVAN SUSPECT MRBM AREA 4048N 04350E

NO MRBM ACTIVITY OBSERVED WITHIN A 25-NM RADIUS OF LENINAKAN.

25X1D

KIVERTSY MRBM LAUNCH SITE 1 5052N 02530E

NO HARD MRBM LAUNCH SITE IDENTIFIED ON GOOD QUALITY PHOTOGRAPHY WITHIN A 25-NM RADIUS OF KIVERTSY MRBM LAUNCH SITE 1. AREA CAN BE NEGATED.

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25X1A

BALTA MRBM LAUNCH SITE 1 4801N 02933E

EASTERN HALF OF SEARCH AREA NOT COVERED. NO NEW MRBM ACTIVITY OBSERVED IN WESTERN PORTION OF SEARCH AREA. AREA CANNOT BE NEGATED.

25X1D

JONAVA MRBM LAUNCH SITE 5501N 02414E

NO HARD SITE IDENTIFIED WITHIN A 25-NM RADIUS OF JONAVA MRBM LAUNCH SITE. POOR QUALITY PHOTOGRAPHY PRECLUDES NEGATION OF AREA.

25X1D

ZHITOMIR MRBM LAUNCH SITE 1 5004N 02816E

WESTERN 70 PERCENT COVERED. NO HARD MRBM LAUNCH SITE IDENTIFIED IN PORTION OF SEARCH AREA COVERED BY PHOTOGRAPHY.

AREA CANNOT BE NEGATED.

25X1D

BERDICHEV MRBM LAUNCH SITE 5005N 02822E

WESTERN HALF OF SEARCH AREA COVERED. NO HARD MRBM LAUNCH SITE IDENTIFIED WITHIN A 25-NM RADIUS OF BERDICHEV MRBM LAUNCH SITE IN AREA COVERED BY PHOTOGRAPHY.

AREA CANNOT BE NEGATED.

25X1D

KURDZHIPS KAYA MRBM LAUNCH SITE 4431N 04000E

NO NEW MRBM ACTIVITY OBSERVED WITHIN A 25-NM RADIUS. SEARCH AREA 75 PERCENT CLOUD-COVERED.

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25X1A

KHMELNITSKIY HARD MRBM LAUNCH SITE 4924N 02708E

NO APPARENT CHANGE SINCE [REDACTED] SITE  
APPEARS COMPLETE.

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A NEWLY IDENTIFIED FIXED FIELD-TYPE MRBM LAUNCH SITE  
IS LOCATED 4.5 NM EAST OF KHMELNITSKIY, AND 1.5 NM  
WNW OF KHMELNITSKIY HARD MRBM LAUNCH SITE AT  
49-25-00N 027-06-30E. SITE CONSISTS OF TWO ELONGATED  
PAD CLEARINGS BOTH ORIENTED IN THE SAME DIRECTION AS  
DERAZHNYA LAUNCH AREA 2 AND ARRANGED ON A ROAD  
NETWORK WITH WIDE RADIUS TURNS. NO MISSILE EQUIPMENT  
OR SITE SUPPORT FACILITY IS ASSOCIATED WITH THE  
LAUNCH SITE.

(SEE ATTACHMENT 9)

25X1D

VLADIMIR VOLYNSKIY HARD MRBM LAUNCH SITE 5048N 02442E

NO NEW HARD MRBM LAUNCH SITE IDENTIFIED ON GOOD  
QUALITY PHOTOGRAPHY WITHIN A 25-NM RADIUS OF VLADIMIR  
VOLYNSKIY HARD MRBM LAUNCH SITE. AREA CAN BE NEGATED.

25X1D

GURELOVO HARD MRBM LAUNCH SITE 5925N 02852E

CONSTRUCTION AT THIS SITE APPEARS COMPLETE. ERECTORS  
ARE VISIBLE ON ALL PADS AT THE 2 NEARBY SOFT SITES.

25X1D

BRODY HARD MRBM LAUNCH SITE 5006N 02512E

NO NEW HARD MRBM LAUNCH SITE IDENTIFIED ON GOOD  
QUALITY PHOTOGRAPHY WITHIN 25-NM RADIUS OF BRODY  
HARD MRBM LAUNCH SITE. AREA CAN BE NEGATED.

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VAINODE HARD IRBM LAUNCH SITE 5628N 02150E

CONSTRUCTION STATUS CANNOT BE DETERMINED. ONLY THE SITE SUPPORT FACILITY IS VISIBLE.

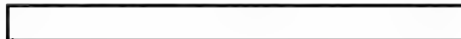


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SARY SHAGAN ANTIMISSILE TEST CENTER 4602N 07334E

ONLY PART OF THE EASTERN AND NE AREAS OF THE TEST CENTER ARE VISIBLE. DETAILED INTERPRETATION OF DISCERNIBLE FACILITIES IS LIMITED BY WEATHER AND FOGGING. LAUNCH COMPLEXES A AND B ARE NOT COVERED.

SECTIONS OF THE RECENTLY CONSTRUCTED TRIAD OF BUILDINGS AT INSTRUMENTATION SITE 10 AND POSSIBLE INSTRUMENTATION SITE 13 ARE VISIBLE AND SHOW NO SIGNIFICANT CHANGE SINCE

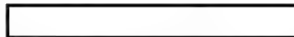


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AN UNIDENTIFIED OBJECT IS OBSERVED AT THE EAST END OF THE ROOF OF THE CONTROL BUILDING ADDITION AT THE HEN HOUSE ANTENNA.

A NEWLY IDENTIFIED, TALL SELF-SUPPORTING LATTICE TOWER IS LOCATED ALONG THE EAST BOUNDARY OF THE MAIN HOUSING COMPLEX NEAR THE SHORE OF LAKE BALKHASH. WORK CONTINUES ON THE RECTANGULAR AREA NORTH OF THE PREPARED EARTH AIRSTRIP. A NUMBER OF SMALL UNIDENTIFIED STRUCTURES ARE VISIBLE IN THIS AREA.

NO SIGNIFICANT CHANGE SINCE



AT THE

PRIMARY AIRFIELD, HEN ROOST ANTENNA NORTH, AND INSTRUMENTATION SITE 9. INSTRUMENTATION SITE 11 CAN BE IDENTIFIED BUT NOT INTERPRETED.

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25X1A

[ ] SHUANG-CHENG-TZU MISSILE TEST CENTER (CHINA) 4107N 10020E

SSM LAUNCH COMPLEX A IS ACTIVE WITH AN OBJECT APPROXIMATELY 80 FT LONG POSITIONED AT THE CENTER OF LAUNCH PAD A-1. FOUR ADDITIONAL VEHICLES/PIECES OF EQUIPMENT ARE ALSO POSITIONED ON THE PAD. THE SSM ASSEMBLY AND CHECKOUT AREA HAS 4 ROWS OF VEHICLES/PIECES OF EQUIPMENT ON THE LARGE PARKING HARDSTAND. IN AN AREA OF NEW CONSTRUCTION APPROXIMATELY .75 NM EAST OF THE OPERATIONAL SUPPORT FACILITY, A BUILDING MEASURING APPROXIMATELY 200 X 100 FT APPEARS COMPLETE. ONE LAUNCH POINT IN SAM LAUNCH AREA B IN THE SAM LAUNCH COMPLEX IS OCCUPIED BY A VEHICLE/PIECE OF EQUIPMENT.

AT THE RAILROAD STATION AT THE MAIN SUPPORT BASE, A NEW RAILROAD TURNING LOOP HAS BEEN CONSTRUCTED ADJACENT TO THE TURNING WYE. A RADAR SITE IS LOCATED APPROXIMATELY 3 NM SE OF THE MAIN SUPPORT BASE AND HAS VEHICLES/PIECES OF EQUIPMENT POSITIONED ON THE RADAR MOUND. ON THE RAIL LINE INTO THE DESERT A PERMANENT RAILROAD BRIDGE OVER THE O-CHI-NA-HO HAS BEEN COMPLETED AND REPLACES THE ADJACENT TEMPORARY BRIDGE. THE SHUANG-CHENG-TZU AIRFIELD HAS ONE PROBABLE TRANSPORT PARKED ON THE APRON. RAILROAD CARS ARE LOCATED IN THE POSSIBLE PROPELLANT HANDLING AND STORAGE AREA (FORMERLY CALLED OPERATIONAL SUPPORT AREA), THE SSM-SAM ASSEMBLY AND CHECKOUT COMPLEX AND THE RAILROAD STATIONS AT THE MAIN SUPPORT BASE AND THE SHUANG-CHENG-TZU AIRFIELD. THERE IS ALSO A TRAIN ON THE LINE BETWEEN THE AIRFIELD AND THE MAIN SUPPORT BASE. SSM LAUNCH COMPLEX B HAS APPARENTLY BEEN ABANDONED IN AN EARLY TO MID STAGE OF CONSTRUCTION SINCE NO ACTIVITY OR CONSTRUCTION HAS BEEN OBSERVED SINCE [ ]

25X1D

OPERATIONAL STATUS OF THE THERMAL POWER PLANT CANNOT BE DETERMINED ALTHOUGH COAL PILES CAN BE OBSERVED IN THE AREA.

25X1D

25X1A

[ ] SHUANG-CHENG-TZU 1100 NM IMPACT AREA (CHINA) 3925N 07640E

NO EVIDENCE OF BALISTIC MISSILE IMPACT AREA OR RELATED INSTALLATIONS IDENTIFIED IN SEARCH AREA.

25X1D

TOP SECRET

25X1

TOP SECRET

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25X1

NPIC/R-239/63

25X1A

ZAGORSK ROCKET ENGINE TEST FAC KRASNOZAVODSK 5627N 03812E

THE STATIC TEST AREA MEASURES APPROXIMATELY 7,500 FT BY 7,200 FT. IT IS SITUATED IN A SECURED AREA ALONG A WOODED RAVINE IN THE NORTH-CENTRAL PART OF THE MISSILE AND PROPULSION TEST COMPLEX. THE AREA CONTAINS 3 VERTICAL TEST STANDS AND A GROUP OF POSSIBLE HORIZONTAL TEST STANDS (ALL WITH RELATED SUPPORT BUILDINGS), A POSSIBLE HEATING PLANT, AND THREE PROBABLE ASSEMBLY/CHECKOUT BUILDINGS. NO UNUSUALLY LONG RAIL CARS, OR OTHER UNUSUAL EQUIPMENT OR OBJECTS OBSERVED IN TEST AREA.

25X1D

RYBINSK AIRCRAFT ENGINE PLANT 36 5803N 03849E

NO ROCKET ENGINE TEST FACILITIES OBSERVED WITHIN A 35-NM RADIUS OF RYBINSK.

25X1D

MOSCOW SUSPECT ABM AREA 5545N 03737E

APPROXIMATELY 80 PERCENT OF THE SEARCH AREA IS COVERED BY CLEAR PHOTOGRAPHY.

25X1D

AT MOSCOW SA-1 SAM SITE E-04, TWO GENERALLY CIRCULAR AREAS ARE PRESENT ON THE HERRINGBONE. ONE OF THE AREAS APPEARS TO BE SLIGHTLY ELEVATED. THESE AREAS WERE NOT PRESENT ON

25X1D

CONSTRUCTION CONTINUES AT THE 2 PLUS CONFIGURATIONS REPORTED ON

25X1D

ADDITIONAL WIDE RADIUS TURN ROADS HAVE BEEN CONSTRUCTED AT THE PREVIOUSLY REPORTED UNIDENTIFIED

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TOP SECRET

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25X1

NPIC/R-239/63

AREA LOCATED 3.5 NM SE OF SA-1 SAM SITE E-24 AT  
55-18-20N 036-32-30E.

(SEE ATTACHMENTS 10-12)

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ARE  
AS FOLLOWS --



25X1A



LENINGRAD PROBABLE AMM AREA 5955N 03020E

NO NEW AMM RELATED FACILITIES IDENTIFIED WITHIN A  
40-NM RADIUS OF LENINGRAD. GOOD TO FAIR QUALITY  
CLOUD-FREE PHOTOGRAPHY, INCLUDING A LIMITED AMOUNT OF  
STEREO COVERAGE, COVERS THE ENTIRE SEARCH AREA  
INCLUDING THE 3 PROBABLE AMM LAUNCH COMPLEXES.

SW PROBABLE AMM LAUNCH COMPLEX -- LIGHT AND DARK  
OBJECTS ON TOP OF THE STRUCTURES AT THE EXTREMITIES  
OF THE PROBABLE ELECTRONICS FACILITY REMAIN  
UNIDENTIFIED. NO SIGNIFICANT CHANGE IS APPARENT AT  
THE PROBABLE CENTRAL CONTROL BUILDING. AT THE  
PROBABLE LAUNCH SITES, THE PROBABLE SITE CONTROL  
BUILDINGS ARE NOT CLEARLY DISCERNIBLE. HOWEVER,  
IT APPEARS THAT EARTH MOUNDING OF THESE BUILDINGS IS  
UNDERWAY. THE CLEARING TO THE WEST OF THE CENTER SITE  
HAS BEEN EXPANDED SLIGHTLY.

NE PROBABLE AMM LAUNCH COMPLEX -- NO ELECTRONIC  
FACILITIES HAVE BEEN CONSTRUCTED AT THE EXTREMITIES  
OF THE PROBABLE ELECTRONICS FACILITY. AN UNIDENTIFIED  
SMALL RELATIVELY LOW STRUCTURE IS VISIBLE AT THE NW  
END OF THIS FACILITY. MINOR CONSTRUCTION ACTIVITY IS  
OBSERVED AT THE SE END. CONSTRUCTION APPEARS TO BE  
CONTINUING AT THE PROBABLE CENTRAL CONTROL BUILDING.  
NO EARTH MOUNDING IS OBSERVED AT THE PROBABLE LAUNCH  
SITE CONTROL BUILDINGS.

NW PROBABLE AMM LAUNCH COMPLEX -- NO SIGNIFICANT  
CHANGE AT THE PROBABLE ELECTRONICS FACILITY. EARTH  
MOUNDING OF THE PROBABLE LAUNCH SITE CONTROL  
BUILDINGS APPEAR TO BE UNDERWAY.

TOP SECRET

25X1

TOP SECRET

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25X1

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POSSIBLE AMM TRAINING SITE -- NO APPARENT CHANGES  
OBSERVED AT THIS SITE SINCE

25X1D

SW PROBABLE ELECTRONICS SITE -- NO APPARENT CHANGE  
OBSERVED AT THIS SITE SINCE

25X1D

SSE PROBABLE ELECTRONICS SITE -- ACTIVITY OF AN  
UNDETERMINED NATURE IS VISIBLE ON TOP OF THE LARGE  
RECTANGULAR BUILDING.

(SEE ATTACHMENTS 13-15)

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ARE  
AS FOLLOWS --



25X1D

25X1A

CHOKURDAKH, SUSPECT ABM AREA 7037N 14753E

SEARCH AREA IS 90 PERCENT CLOUD-COVERED. NO HEN  
HOUSE, HEN EGG, OR OTHER SARY SHAGAN-TYPE RADARS  
OBSERVED IN CLOUD-FREE PORTIONS OF SEARCH AREA.

25X1D

MYS SHMIDTA, SUSPECT ABM AREA 6853N 17924W

THE SOUTHERN HALF OF THE SEARCH AREA IS COVERED BY  
SCATTERED CLOUDS AND HAZE.

NO HEN HOUSE, HEN EGG, OR OTHER SARY SHAGAN-TYPE  
RADAR OBSERVED IN THE CLEAR AREAS.

20

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TOP SECRET

25X1

TOP SECRET

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25X1

NPIC/R-239/63

25X1D

25X1A

KHATANGA, SUSPECT ABM AREA 7159N 10230E

NO AMM ASSOCIATED ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF 25-NM RADIUS SEARCH AREA. AREA IS 95 PERCENT CLOUD-COVERED.

25X1D

KIGILYAKH, SUSPECT ABM AREA 7325N 13959E

NO AMM ASSOCIATED FACILITIES OBSERVED IN CLOUD-FREE PORTIONS OF 25-NM RADIUS SEARCH AREA.

AREA IS 50 PERCENT CLOUD COVERED.

25X1D

PORKHOV EARLY WARNING RADAR SITE 5744N 02940E

SITE IS LOCATED AROUND THE TERMINUS OF SERVICE ROAD AND CONTAINS AT LEAST 5 ELEVATED RADAR POSITIONS AND A CONTROL BUILDING/BUNKER LOCATED ALONG THE SOUTH SIDE OF THE SERVICE ROAD. AT LEAST 8 OTHER BUILDINGS ARE POSITIONED ALONG THE SERVICE ROAD.

SUPPORT AREA IS LOCATED IMMEDIATELY WEST OF RADAR POSITION AND CONTAINS ONE POSSIBLE DRIVE-THROUGH BUILDING AND 11 OTHER BUILDINGS.

25X1D

VYBORG, EARLY WARNING RADAR SITE 6043N 02834E

SITE IS LOCATED ALONG A NE/SW ROAD WITH A SERVICE ROAD FROM THE SOUTH. AT LEAST 5 ELEVATED RADAR POSITIONS ARE LOCATED ALONG THE NW SIDE OF ROAD. A PROBABLE CONTROL BUNKER IS LOCATED ON THE SAME SIDE, AND AT THE APPROXIMATE MIDPOINT OF THE ROAD. AT LEAST 8 UNIDENTIFIED STRUCTURES ARE OBSERVED ALONG THE ROAD. TWO UNIDENTIFIED AREAS NW OF THE SERVICE ROAD CONTAIN LINEAR GROUND SCARS AND SEVERAL BUILDINGS.

TOP SECRET

25X1

TOP SECRET

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25X1

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SUPPORT FACILITIES LOCATED AT THE SOUTHERN END OF SERVICE ROAD INCLUDE 6 LARGE BUILDINGS AND APPROXIMATELY 8 SMALL BUILDINGS.

25X1D

25X1A

PODPOROZHYE EARLY WARNING RADAR SITE 6050N 03412E

SITE IS LOCATED AT TERMINUS OF A SERVICE ROAD AND CONTAINS 4 EARTH MOUNDS ON THE NE SIDE OF THE SERVICE ROAD. A ROAD LEADS FROM THE SERVICE ROAD AND TERMINATES ON TOP OF AN EARTH MOUND. FIVE UNIDENTIFIED STRUCTURES ARE LOCATED NORTH OF THE MOUNDS ON THE NE SIDE OF SERVICE ROAD. ONE REVETMENT AND 2 UNIDENTIFIED STRUCTURES ARE LOCATED ON THE NW SIDE. A SUPPORT AREA CONTAINS 6 LARGE BUILDINGS AND APPROXIMATELY 8 SMALL BUILDINGS. A DRIVE-IN BUILDING IS LOCATED NORTH OF THE SUPPORT AREA.

SITE IS SERVED BY A RAIL SPUR WHICH TERMINATES IN A WOODED AREA WEST OF THE SITE.

25X1D

BOROVICHI EARLY WARNING RADAR SITE 5826N 03355E

GAGE-PATTYCAKE-TYPE RADAR SITE WITH PROBABLE BARLOCK ADDITION OBSERVED ON CLEAR PHOTOGRAPHY. SHADOW PATTERN CAST BY RADAR ANTENNAS INDICATE SITE IS OPERATIONAL.

25X1D

MOSCOW SA-1 SAM SITE E-05 5614N 03835E

CONSTRUCTION ACTIVITY IDENTICAL TO THAT SEEN AT MOSCOW SA-1 SAM SITES E-15, E-24, AND E-33 IS EVIDENT AT THIS SITE. THE ACTIVITY CONSISTS OF ONE LARGE RECTANGULAR BUILDING WITH A CIRCULAR OBJECT POSITIONED ON THE REAR PORTION OF THE ROOF, AND 2 SMALL BUILDINGS, ONE APPARENTLY UNDER CONSTRUCTION AND THE OTHER COMPLETED. THE COMPLETED SMALL BUILDING HAS A CIRCULAR OBJECT POSITIONED ON THE ROOF. LOCATED TO THE RIGHT OF THE LARGE RECTANGULAR BUILDING ARE 3 SMALL CLEARED AND CONNECTED AREAS OF UNIDENTIFIED ACTIVITY. ONE AREA CONTAINS 4 SMALL STRUCTURES, THE

TOP SECRET

25X1

TOP SECRET

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25X1

NPIC/R-239/63

SECOND CONTAINS 2 LARGE STRUCTURES AND THE THIRD CONTAINS A SMALL CIRCULAR OBJECT POSITIONED IN THE CENTER. A SINGLE CLEARED AREA OF UNIDENTIFIED ACTIVITY CONTAINING 4 SMALL OBJECTS OR STRUCTURES IS LOCATED TO THE LEFT OF THE LARGE, RECTANGULAR BUILDING.

(SEE ATTACHMENT 16)

25X1D

MOSCOW SA-1 SAM SITE E-33 5620N 03648E

25X1A

CHANGES SINCE [REDACTED] INCLUDE -- TWO BUILDINGS HAVE BEEN CONSTRUCTED TO THE RIGHT OF THE RECTANGULAR BUILDING IN THE AREA OF THE PREVIOUSLY REPORTED UNIDENTIFIED GROUND PATTERN. ADDITIONAL CONSTRUCTION MATERIAL APPEARS TO BE LOCATED NEAR THESE NEW BUILDINGS. THREE SMALL BUILDINGS ARE OBSERVED TO THE LEFT OF THE RECTANGULAR BUILDING. NO CHANGES OBSERVED ON THE PREVIOUSLY REPORTED BUILDINGS.

25X1D

(SEE ATTACHMENT 17)

MOSCOW SA-1 SAM SITE E-24 5521N 03629E

NO CHANGES OBSERVED ON THE 3 MAIN BUILDINGS. THE PREVIOUSLY REPORTED GROUND PATTERN NOW APPEARS TO BE T-SHAPED. NO NEW ACTIVITY OBSERVED.

25X1D

(SEE ATTACHMENT 18)

MOSCOW SA-1 SAM SITE E-15 5509N 03822E

25X1D

25X1D

CHANGES SINCE [REDACTED] INCLUDE -- ONE OF THE SMALL BUILDINGS APPEARS TO HAVE BEEN EARTH MOUNDED. AT THE PREVIOUSLY REPORTED UNIDENTIFIED GROUND PATTERN, THERE IS NOW A LARGE DARK PLUS CONFIGURATION LOCATED NEAR THE FRONT OF THE V OF THE HERRINGBONE. THERE NOW APPEARS TO BE 2 OBJECTS ON TOP OF THE LARGE RECTANGULAR BUILDING -- ONE POSITIONED TOWARD THE FRONT OF THE BUILDING, AND ONE

TOP SECRET

25X1



TOP SECRET

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25X1

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TOWARD THE REAR. A DITCH NOW LEADS FROM THE LARGE RECTANGULAR BUILDING TO ONE OF THE SMALL BUILDINGS.

(SEE ATTACHMENT 19)

25X1D

MISSILE BONUS 1. NARVA SUSPECT MISSILE SITE U/C 5930N 02824E

17.8 NM NNE OF NARVA AT 59-39-30N 028-24-10E.

NEWLY IDENTIFIED SUSPECT MISSILE SITE UNDER CONSTRUCTION AT 59-39-30N 028-24-10E. THIS SITE IS SIMILAR TO SITES WITH H-SHAPED ROAD PATTERNS AT VESKITAGUSE AND JOHVI, AND CONSISTS OF ONE LEG OF THE H-SHAPED ROAD WITH 2 SUSPECT POSITIONS, ONE OF WHICH IS REVETTED. A RECTANGULAR CENTRAL AREA IS LOCATED ON THE ACCESS ROAD. A THIRD ROAD EXTENDS FROM THE ACCESS ROAD TO AN UNIDENTIFIED TERMINAL AREA. NO EQUIPMENT OR RADAR DISCERNIBLE. SUSPECT SITE WAS NOT PRESENT ON

25X1D

USATC SERIES 200, SHEET 0153-3AL, 2D ED, OCT 59.

25X1D

MISSILE BONUS 2. UZHGOROD MRBM LAUNCH SITE 4833N 02213E

5 NM SE OF UZHGOROD AND 18.6 NM NW OF MUKACHEVO LAUNCH AREA. COMPLETED TYPE II (ELONGATED-PAD SOFT MRBM) LAUNCH SITE WITH

25X1

NO NEW MRBM ACTIVITY OBSERVED WITHIN A 25-NM RADIUS.

25X1D

MISSILE BONUS 3. THE FOLLOWING SAM SITES HAVE BEEN IDENTIFIED THUS FAR ON

25X1D

TOP SECRET

25X1

**TOP SECRET**

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25X1

NPIC/R-239/63

LENINGRAD SAM SITE 6014N 03052E

2.5 NM NE OF LENINGRAD AT 60-14-55N 030-52-30E.

NEWLY IDENTIFIED COMPLETED SA-3 SAM SITE.

J CONFIGURATION, ORIENTATION 90 DEGREES, COLLOCATED WITH LENINGRAD C-04.

USATC SERIES 200, SHEET 0103-25HL, 3D ED, JUN 62.

25X1D

LENINGRAD SAM SITE 6018N 03037E

25.2 NM NNE OF LENINGRAD AT 60-18-50N 030-37-00E.

NEWLY IDENTIFIED SA-3 SAM SITE UNDER CONSTRUCTION. ONE LAUNCH POSITION COMPLETED. PROBABLE J CONFIGURATION, ORIENTATION UNDETERMINED. COLLOCATED WITH SA-2 C-02.

USATC, SERIES 200, SHEET 0103-25HL, 3D ED, JUN 62.

25X1D

AIRFIELDS

25X1A

ENGELS AIRFIELD 5129N 04611E

AIRCRAFT -- 7 BADGER ON WEST APRONS, 5 BADGER ON EAST APRON, 33 BISON ON NORTH PARALLEL APRON (INCLUDING 2 BISON BEHIND APRON), 2 STRAIGHT-WING AIRCRAFT ON INFIELD AT WEST END OF AIRFIELD, AND 2 AIRCRAFT ON WEST APRONS.

NO AIRCRAFT IN WEAPONS LOADING AREA.

25X1D

RYAZAN/DYAGILEVO AIRFIELD 5439N 03935E

AIRCRAFT -- 28 BADGER, ONE BISON/BEAR, ONE LARGE STRAIGHT-WING, AND ONE SMALL STRAIGHT-WING ON HARDSTANDS OFF LOOP TAXIWAY. ONE SMALL STRAIGHT-WING ON INFIELD BETWEEN HARDSTANDS. ONE TAIL ASSEMBLY PROJECTING FROM HANGAR.

25X1

FACILITY ASSOCIATED WITH THE AIRFIELD.

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**TOP SECRET**

25X1

**TOP SECRET**

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25X1

NPIC/R-239/63

25X1D

25X1A

ANISOVO GORODISHCHE AIRFIELD 5414N 03422E

AIRCRAFT -- 23 PROBABLE BADGER ON APRONS AND  
HARDSTANDS, 10 PROBABLE BADGER ON DISPERSAL  
HARDSTANDS, AND ONE PROBABLE BULL NEAR PARKING APRON.

NO SPECIAL WEAPONS STORAGE DISCERNIBLE.

25X1D

RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT 5535N 03807E

AIRCRAFT -- ONE BOUNDER AND ONE PROBABLE BOUNDER  
(A THIRD BOUNDER OBSERVED AT MOSCOW/FILI AIRFIELD),  
5 PROBABLE BLINDER, 9 PROBABLE BISON/BEAR, 16 PROBABLE  
BADGER/CAMEL, 7 PROBABLE COOT, 2 PROBABLE CAMP,  
6 SWEEP-WING, 6 STRAIGHT-WING, 2 PROBABLE AIRCRAFT,  
NUMEROUS UNIDENTIFIED JET FIGHTERS AND 2 PROBABLE  
CLEAT (ONE WITH PROBABLE RADOME ON TOP AFT SECTION  
OF FUSELAGE).

25X1D

25X2

**TOP SECRET**

25X1

25X2

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Approved For Release 2002/11/01 : CIA-RDP78B04560A000900010011-7

**TOP SECRET**

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25X1

NPIC/R-239/63

25X2



25X1A

NAVAL ACTIVITY



POTI NAVAL BASE & SHIPYARD YELYAVA 201 4209N 04139E

SMALL NAVAL BASE ASSOCIATED WITH SHIPYARD ADJACENT TO  
PORT FACILITIES. NO SPECIFIC SUBMARINE FACILITIES  
OBSERVED.

VESSELS -- ONE DD AND SEVERAL SMALL CRAFT.

NO SUBMARINES OR MISSILE STORAGE OBSERVED.

TARGET COVERED BY GOOD QUALITY PHOTOGRAPHY.

25X2

25X1D



**TOP SECRET**

25X1

25X2

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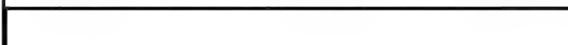
25X2

25X1A

MILITARY ACTIVITY

TU-KO-MA-CHING ORDNANCE PROVING GROUND (CH) 4051N 10941E

ENTIRE RANGE COVERED BY CLEAR PHOTOGRAPHY.  
NO APPARENT CHANGE IN FACILITIES.



25X1D

COMPLEXES

PEIPING COMPLEX (CHINA) 3955N 11623E

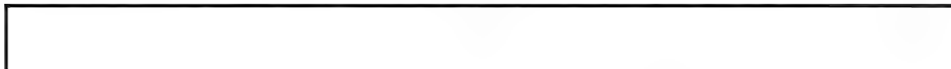
PEIPING IS APPROXIMATELY 30 PERCENT CLOUD-COVERED. NUMEROUS FABRICATION, MACHINE SHOPS, FOUNDRIES, IRON WORKS AND ASSEMBLY-TYPE PLANTS ARE OBSERVED. HOWEVER, SMALL SCALE PHOTOGRAPHY LIMITS DETERMINATION OF THE SCALE OF ACTIVITY. VISIBLE STACKS ARE NOT EMITTING SMOKE. CLASSIFICATION YARDS OBSERVED, BUT SMALL SCALE LIMITS DETERMINATION OF TYPE AND NUMBER OF RAIL CARS.



25X1D

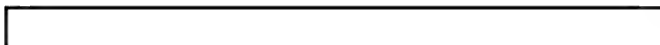
PAO-TOU COMPLEX (CHINA) 4036N 11001E

NO MAJOR CHANGES IN THE COMPLEX. CONSTRUCTION CONTINUES AT THE ALUMINUM PLANT, TEST TRACKS, ORE DRESSING PLANT, OPEN HEARTH FURNACES, AND COAL HANDLING FACILITIES. THREE SMOKING STACKS OBSERVED. NUMBER AND TYPE OF RAILROAD CARS CANNOT BE DETERMINED. NO INDICATIONS OF AE ACTIVITY VISIBLE



25X1A

25X1D



25X1

NPIC/R-239/63

25X1A

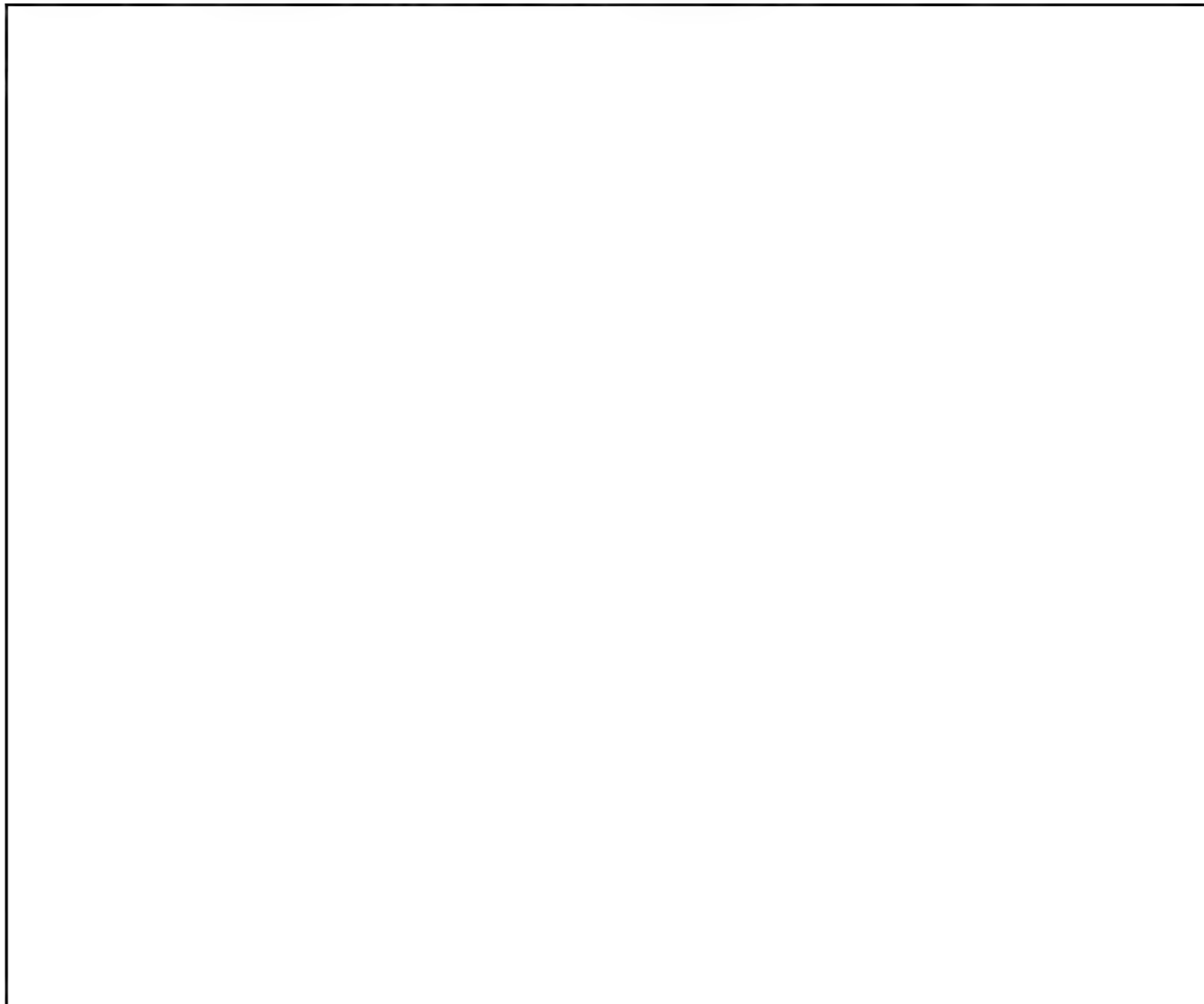


MYS SHMIDTA COMPLEX 6854N 17927W

AIRFIELD AND COMPLEX ARE VISIBLE ON POOR-QUALITY  
PHOTOGRAPHY. NO [REDACTED]  
TROPOSPHERIC SCATTER STATION OBSERVED.

25X1

25X1D





TOP SECRET

25X1

NPIC/R-239/63

INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN OF MISSION 1002-1. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 1002-1 IN WHICH THE TARGET WAS REPORTED. THE LETTERS NO IN THE OAK COLUMN INDICATE THAT THE TARGET WAS NOT OBSERVED DUE TO ADVERSE WEATHER OR OTHER CONDITIONS, AND THE LETTERS NC INDICATE THAT THE TARGET WAS NOT COVERED BY THE PHOTOGRAPHY.

COMOR	INSTALLATION NAME	COORDINATES	OAK
25X1A	PLESETSK ICBM LAUNCH COMPLEX	6256N 04039E	NO
	YURYA ICBM LAUNCH COMPLEX	5903N 04919E	NC
	VERKHNYAYA SALDA ICBM LAUNCH COMPLEX	5802N 06023E	II
	TYURA TAM MISSILE TEST CENTER	4550N 06318E	II
	YOSHKAR-OLA ICBM LAUNCH COMPLEX	5634N 04801E	NC
	SVOBODNYI ICBM LAUNCH COMPLEX	5146N 12807E	NO
	DROVYANAYA ICBM LAUNCH COMPLEX	5132N 11301E	II
	KOSTROMA ICBM LAUNCH COMPLEX	5750N 04115E	I
	ITATKA ICBM LAUNCH COMPLEX	5650N 08536E	II
	SHADRINSK ICBM LAUNCH COMPLEX	5608N 06341E	II
	OMSK ICBM LAUNCH COMPLEX	5503N 07330E	NC
	VOZZHAYEVKA SUSPECT ICBM AREA	5044N 12842E	NO
	PERM ICBM LAUNCH COMPLEX	5742N 05619E	NO
	TEYKOVO ICBM LAUNCH COMPLEX	5652N 04035E	I
	TYUMEN ICBM LAUNCH COMPLEX	5652N 06553E	NO
	YEDROVO ICBM LAUNCH COMPLEX	5751N 03341E	II
	GLADKAYA ICBM LAUNCH COMPLEX	5605N 09213E	II
	BRATSK, SUSPECT SSM AREA	5605N 10148E	I
	RZHEV, SUSPECT SSM AREA	5615N 03420E	II
	NOVOSIBIRSK ICBM LAUNCH COMPLEX	5516N 08257E	NO
	BEZHETSK, SUSPECT SSM AREA	5747N 03641E	II
	KIMRY, SUSPECT SSM AREA	5652N 03721E	II
	KOZELSK ICBM LAUNCH COMPLEX	5357N 03548E	II
	NERCHINSK, SUSPECT SSM AREA	5158N 11635E	NO
	CHAADAYEVKA, SUSP MISSILE-ASSOCIATED ACTIVITY	5307N 04602E	II
	KOLMAKOVO, SUSPECT SSM AREA	5338N 09229E	II
	SARANSK, SUSPECT SSM AREA	5411N 04511E	II
	OLOVYANNAYA ICBM LAUNCH COMPLEX	5048N 11550E	NO
	KOVYALKINO, SUSPECT ICBM AREA	5402N 04356E	II
	MAZANKA MRBM LAUNCH SITE	4454N 03420E	NC
	VINNITSA HARD MRBM LAUNCH SITE	4917N 02820E	II
	TALLINN SUSPECT SSM AREA	5924N 02444E	NC
	GVARDEYSK MRBM LAUNCH SITE 2	5445N 02109E	I
	SLEDYUKI MRBM LAUNCH SITE	5341N 03020E	NC
MUKACHEVO MRBM LAUNCH SITE I	4819N 02231E	I	
KAMENETS-PODOLSKIY MRBM LAUNCH SITE	4851N 02642E	II	

TOP SECRET

25X1

TOP SECRET

25X1

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25X1A

LENINAKAN/YEREVAN SUSPECT MRBM AREA	4048N 04350E	II
KIVERTSY MRBM LAUNCH SITE 1	5052N 02530E	II
SLAVSK MRBM LAUNCH SITE 2	5500N 02129E	I
ZNAMENSK MRBM LAUNCH SITE 1	5433N 02111E	I
GUSEV MRBM LAUNCH SITE 1	5441N 02205E	I
OVRUCH MRBM LAUNCH SITE 1	5117N 02816E	NC
KOROSTEN MRBM LAUNCH SITE 1	5051N 02818E	NC
YELSK MRBM LAUNCH SITE 1	5142N 02912E	NC
BALTA MRBM LAUNCH SITE 1	4801N 02933E	II
BORKHOV MRBM LAUNCH SITE 1	5218N 03043E	NC
JONAVA MRBM LAUNCH SITE	5501N 02414E	II
VORU MRBM LAUNCH SITE 2	5749N 02650E	NC
VEPRIAI MRBM LAUNCH SITE	5508N 02438E	I
SIMUNA MRBM LAUNCH SITE	5908N 02626E	NC
KROLEVETS IRBM LAUNCH SITE 1	5136N 03328E	NC
GRESK MRBM LAUNCH SITE 1	5314N 02742E	NC
YEREVAN SUSPECT MRBM AREA	4011N 04430E	NO
TAPA SUSPECT MISSILE AREA	5916N 02558E	NC
RAGNIT MRBM LAUNCH SITE	5501N 02211E	I
LIDA MRBM LAUNCH SITE 1	5347N 02521E	I
VSELYUB MRBM LAUNCH SITE 1	5346N 02543E	I
GROSS STEFFELSDORF, SUSPECT MRBM AREA (CZECH)	4823N 02002E	NO
ZIPSER NEUDORF, SUSPECT MRBM AREA (CZECH)	4857N 02034E	I
ZELENA-FRYDEK, SUSPECT MRBM AREA (CZECH)	4941N 01821E	NC
RUZOMBEROK, SUSPECT MRBM AREA (CZECH)	4905N 01919E	NO
BOZNSKA BYSTRICA, SUSPECT MRBM AREA (CZECH)	4844N 01909E	NC
KARA-BABAU HARD IRBM LAUNCH SITE 2	4431N 07758E	NC
AKHTYRKA MRBM LAUNCH SITE 1	5015N 03450E	NC
ZHITOMIR MRBM LAUNCH SITE 1	5004N 02816E	II
LIPNIKI MRBM LAUNCH SITE	5112N 02826E	NC
PETRIKOV MRBM LAUNCH SITE	5210N 02834E	NC
KUSHKA, SUSPECT SSM AREA	3516N 06224E	NC
BAYRAM ALI SUSPECT SSM AREA	3737N 06212E	NC
KOZHANOVICH MRBM LAUNCH SITE 1	5210N 02751E	NC
BERDICHEV MRBM LAUNCH SITE	5005N 02822E	II
NAVVOY, SUSPECT MRBM AREA	4009N 06522E	I
ROZHDESTVENKA MRBM LAUNCH SITE	4547N 13343E	NC
UGOLNYY MRBM LAUNCH SITE	6446N 17758E	NC
URECHYE MRBM LAUNCH SITE	5311N 02758E	NC
KURDZHIPS KAYA MRBM LAUNCH SITE	4431N 04000E	II
ROGAS, SUSPECT MRBM SITE	5654N 02440E	NC
KAMENNY MOST HARD IRBM LAUNCH SITE	4758N 03053E	NC
SAKI, SUSPECT SSM AREA	4507N 03336E	NC
TAYBOLA HARD IRBM LAUNCH SITE 1	6828N 03315E	NO
SKRUNDA HARD IRBM LAUNCH SITE	5635N 02149E	I
GRANOV HARD IRBM LAUNCH SITE 2	4849N 02929E	NC
SMORGON HARD IRBM LAUNCH SITE 2	5426N 02618E	NC
SEMOVKA HARD IRBM LAUNCH SITE 1	4758N 03059E	NC
TAYBOLA HARD IRBM LAUNCH SITE 2	6830N 03323E	NO

TOP SECRET

25X1

NPIC/R-239/63

25X1A

BOLEKHOV HARD MRBM LAUNCH SITE	4906N 02351E NC
KHMELNITSKIY HARD MRBM LAUNCH SITE	4924N 02708E II
STRYY HARD MRBM LAUNCH SITE	4916N 02343E NC
VLADIMIR VOLYNSKIY HARD MRBM LAUNCH SITE	5048N 02442E II
GURELOVO HARD MRBM LAUNCH SITE	5925N 02852E II
OTYNYA HARD MRBM LAUNCH SITE	4847N 02450E NC
ZEMAICIU KALVARIJA HARD MRBM LAUNCH SITE	5601N 02153E NO
BRODY HARD MRBM LAUNCH SITE	5006N 02512E II
RUDNYA ZLOTINSKAYA HARD MRBM LAUNCH SITE	5104N 02807E NC
KIROVOBAD, SUSPECT SSM AREA	4040N 04620E NO
JABAL HAMZI SSM TEST/LAUNCH FACILITY (EGYPT)	3007N 03037E NC
REDKINO HARD MRBM LAUNCH SITE	5724N 02826E NC
TYM HARD MRBM LAUNCH SITE	3935N 06542E I
TAYBOLA HARD IRBM LAUNCH SITE 3	6825N 03329E NO
NOVOSYSOYEVKA HARD IRBM LAUNCH SITE 2	4407N 13327E NO
SHIRVANSKAYA HARD MRBM LAUNCH SITE	4425N 03954E I
TSIRGULIINA HARD MRBM LAUNCH SITE	5749N 02612E NC
SEMOVKA HARD IRBM LAUNCH SITE 2	4753N 03057E NC
LEBEDIN IRBM LAUNCH SITE 3	5038N 03427E NC
VAINODE HARD IRBM LAUNCH SITE	5628N 02150E II
GELLI HARD IRBM LAUNCH SITE	4245N 04728E NO
PARAUL HARD IRBM LAUNCH SITE	4247N 04723E NO
KAKASHURA HARD IRBM LAUNCH SITE	4239N 04727E NO
KISHENTSY HARD MRBM LAUNCH SITE	4900N 03013E NC
KALNIK, HARD IRBM LAUNCH SITE	4859N 02922E NC
BIKIN, SUSPECT MRBM/IRBM AREA	4649N 13416E NC
NOVOSYSOYEVKA, POSSIBLE HARD IRBM LAUNCH SITE	4407N 13325E NO
KARA-BABAU, HARD IRBM LAUNCH SITE 3	4431N 07743E NC
LEJASCIEMS HARD MRBM LAUNCH SITE	5713N 02633E NC
ACHKHUY-MARTAN HARD MRBM LAUNCH SITE	4310N 04511E NO
ANASTASYEVKA, PROB ALTERNATE MRBM LAUNCH SITE	4832N 13531E NO
KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER	4835N 04545E I
SARY SHAGAN ANTIMISSILE TEST CENTER	4602N 07334E II
SHUANG-CHENG-TZU MISSILE TEST CENTER (CHINA)	4107N 10020E II
KAMCHATKA PENINSULA, SUSPECT ABM AREA	5600N 16000E NC
EMBA MISSILE-ASSOCIATED INSTALLATION	4845N 05804E NC
COLOMB-BECHAR/HAMMAGUIR MSL TEST AREA (ALG)	3054N 00303W NC
SHUANG-CHENG-TZU 150 NM IMPACT AREA (CHINA)	4026N 09635E NC
SHUANG-CHENG-TZU 350 NM IMPACT AREA (CHINA)	4024N 09225E NC
SHUANG-CHENG-TZU 1100 NM IMPACT AREA (CHINA)	3925N 07640E II
SHUANG-CHENG-TZU 650 NM IMPACT AREA (CHINA)	4041N 08600E NC
DNEPROPETROVSK MISSILE DEVELOP PROD CENTER	4826N 03459E NC
ZAGORSK ROCKET ENGINE TEST FAC KRASNOZAVODSK	5627N 03812E II
KURUMUCH ROCKET ENGINE TEST FACILITY	5331N 04949E NC
PERM ARMS PLANT MOTOVILIKHA MOLOTOV 172	5802N 05617E NO
OMSK STATIC TEST FACILITY	5527N 07322E NC
UFA AIRCRAFT ENGINE PLANT A-26	5447N 05607E NO
UFA AIRCRAFT ENGINE PLANT B-26	5447N 05604E I
KHARKOV AREA, MISSILE PRODUCTION SEARCH	4959N 03614E NO

TOP SECRET

25X1

NPIC/R-239/63

25X1A

VORONEZH STATIC TEST FACILITY	5134N 03908E	I
KAZAN AIRCRAFT ENGINE PLANT 16	5551N 04907E	NC
RYBINSK AIRCRAFT ENGINE PLANT 36	5803N 03849E	II
TAI-YUAN EXPLOSIVES AND AMMUNITION PLANT (CH)	3759N 11233E	I
KUTAIISI MOTOR VEHICLE PLANT	4216N 04237E	NO
PEIPING RKT ENG TEST FAC CHANG-HSIN-TIEN (CH)	3950N 11608E	I
SARATOV AIRFRAME PLANT 292	5130N 04557E	NC
VOLGOGRAD SUSP ROCKET ENGINE PLANT	4845N 04430E	I
YEN-LIANG, FABRICATION PLANT (CHINA)	3439N 10915E	NC
ORENBURG AIRFRAME PLANT 47	5147N 05507E	NC
STERLITAMAK AREA, PROB STAT TEST FACILITY	5344N 05558E	I
UFA PROB STATIC TEST STAND	5459N 05604E	NO
PERM AIRCRAFT ENGINE PLANT STALIN 19	5759N 05615E	NO
BIYSK, PROB STATIC TEST FACILITY	5229N 08507E	NO
PERM AREA, PROBABLE STATIC TEST FACILITY	5758N 05549E	NO
<hr/>		
NOVE MESTO POD SUSPECT MISSILE AREA (CZECH)	5056N 01515E	I
<hr/>		
CHENG-HSIEN, SUSPECT MISSILE AREA (CHINA)	3445N 11340E	I
OZERNYY, SSM SEARCH	6624N 17906W	NC
NONGKODJADJAR, RPTD MISSILE SITE (INDONESIA)	0754S 11237E	NC
CHIA-MU-SSU, SUSPECT SSM AREA (CHINA)	4700N 13000E	NC
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	6434N 03949E	NC
SEVEROMORSK SUSPECT MISSILE STORAGE FACILITY	6906N 03328E	NC
KOMSOMOLSK SHIPYARD AMUR 199	5033N 13702E	NO
SAYDA GUBA SUBMARINE BASE	6915N 03321E	NC
BALTIYSK NAVAL BASE	5439N 01955E	NC
OLENYA GUBA SUBMARINE BASE	6913N 03323E	NC
POLYARNYY NAVAL BASE	6912N 03328E	NC
LITSA BAY SUBMARINE BASE	6926N 03224E	NC
TERIBERKA NAVAL BASE	6910N 03508E	NC
YOKANGA NAVAL BASE AND SHIP REPAIR YARD	6804N 03932E	NO
PETROPAVLOVSK NAVAL BASE TARYA BAY	5255N 15830E	NC
VLADIMIR SUBMARINE BASE	4355N 13528E	NO
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202	4306N 13156E	I
KALININGRAD SUSPECT NAVAL MISSILE STGE FAC	5450N 02028E	I
URA GUBA NAVAL BASE	6920N 03249E	NC
DOLGAYA NAVAL BASE	6915N 03350E	NC
PALA GUBA NAVAL BASE AND SHIP REPAIR YARD	6912N 03326E	NC
PETROVKA SHIPYARD	4307N 13220E	I
STRELOK STRAIT NAVAL BASE ANNA	4252N 13232E	NO
VOSTOK BAY NAVAL BASE LIVADIYA	4252N 13241E	NO
BUKHTA ABREK NAVAL MISSILE SUPPORT BASE	4255N 13225E	NO
DUNAY NAVAL MISSILE STORAGE FACILITY	4256N 13220E	I
SOVETSKAYA GAVAN NAVAL BASE AND SHIPYARD 263	4858N 14017E	I
SVYATOV NOS MYS POSS NAVAL MSLE SUPPORT BASE	6810N 03945E	NO
MOSCOW SUSPECT ABM AREA	5545N 03737E	II
LENINGRAD PROBABLE AMM AREA	5955N 03020E	II

25X1D

37

TOP SECRET

25X1

TOP SECRET

25X1

NPIC/R-239/63

25X1A

KOMSOMOLSK, SUSPECT ABM AREA	5200N 13700E	NO
BRATSK, SUSPECT ABM AREA	5654N 10030E	I
CHOKURDAKH, SUSPECT ABM AREA	7037N 14753E	II
MYS SHMIDTA, SUSPECT ABM AREA	6853N 17924W	II
KHATANGA, SUSPECT ABM AREA	7159N 10230E	II
KIGILYAKH, SUSPECT ABM AREA	7325N 13959E	II
PORKHOV EARLY WARNING RADAR SITE	5744N 02940E	II
TAPA EARLY WARNING RADAR SITE	5919N 02600E	NC
VYBORG, EARLY WARNING RADAR SITE	6043N 02834E	II
AMDERMA SUSPECT ABM RADAR	6943N 06145E	NC
KOSISTY SUSPECT ABM RADAR	7337N 10945E	NC
ASTRAKHAN POSSIBLE ABM RADAR	4620N 04801E	NC
DIKSON, POSSIBLE ABM RADAR	7331N 08022E	NC
PODOROZHYE EARLY WARNING RADAR SITE	6050N 03412E	II
BOROVICHI EARLY WARNING RADAR SITE	5826N 03355E	II
SORTAVALA EARLY WARNING RADAR SITE	6153N 03029E	NO
MOSCOW SA-1 SAM SITE E-05	5614N 03835E	II
MOSCOW SA-1 SAM SITE E-33	5620N 03648E	II
MOSCOW SA-1 SAM SITE E-24	5521N 03629E	II
MOSCOW SA-1 SAM SITE E-15	5509N 03822E	II
KALIDJATI AIRFIELD (INDONESIA)	0633S 10740E	NC
FU-SHIH, SUSPECT SAM AREA (CHINA)	3633N 10926E	NC
HABBANIYAH, SUSPECT SAM AREA (IRAQ)	3225N 04326E	NC
DAHSHUR SAM TRAINING AREA (EGYPT)	2948N 03108E	NC
ASTRA KSETRA, POSSIBLE SAM AREA (INDONESIA)	0430S 10515E	NC
SHIH-MEN SAM SITE A-32 (CHINA)	3805N 11425E	NC
AL ISMAILIYAH, SUSPECT SAM AREA (EGYPT)	3035N 03216E	NC
CHUNG-WEI SAM SITE (CHINA)	3754N 10517E	NC
HSI-AN SAM SITE (CHINA)	3440N 10859E	NC
PEIPING SAM SITE B-26 (CHINA)	3951N 11609E	I
PEIPING SAM SITE B-35 (CHINA)	4009N 11618E	I
PEIPING SAM SITE B-19 (CHINA)	3939N 11623E	I
PEIPING SAM SITE B-12 (CHINA)	3947N 11641E	I
AL ISKANDARIYAH, SAM SITE (EGYPT)	3118N 03003E	NC

25X1D

ARKHANGELSK/KHOLM AIRFIELD POSSIBLE ASM SUPT	6421N 04043E	NC
CHEPELEVKA AIRFIELD	4947N 03026E	NC
DOLON AIRFIELD	5032N 07912E	NC
ENGELS AIRFIELD	5129N 04611E	II
SIAULIAI AIRFIELD	5553N 02323E	NO
UKRAINA AIRFIELD	5110N 12826E	NO
BORZYA AIRFIELD NW	5024N 11623E	NO
BARANOVICHI AIRFIELD	5306N 02603E	I
MINSK/MACHULISHCHE AIRFIELD	5347N 02734E	NC
OLENYA AIRFIELD	6809N 03327E	NC
STRYY AIRFIELD	4914N 02348E	NC
SREDNIY AIRFIELD	7930N 09110E	NC
NORILSK AIRFIELD	6919N 08756E	NO

TOP SECRET

25X1

NPIC/R-239/63

25X1A

GOFMANA AIRFIELD	8116N 06015E NC
NAGURSKAYA AIRFIELD	8047N 04733E NC
BELAYA AIRFIELD	5254N 10335E I
BYKHOV AIRFIELD	5331N 03012E NC
MOZDOK AIRFIELD	4347N 04436E NC
PITU AIRFIELD (INDONESIA)	0202N 12819E NC
KALININGRAD/PROVEREN AIRFIELD	5446N 02025E I
PRILUKI AIRFIELD	5034N 03219E NC
POLTAVA AIRFIELD	4937N 03430E NC
ORSHA AIRFIELD SOUTHWEST	5426N 03018E NC
BELAYA TSEKOV AIRFIELD	4947N 03001E NC
RYAZAN/DYAGILEVO AIRFIELD	5439N 03935E II
ZHITOMIR/SKOMOROKHI AIRFIELD	5010N 02844E NC
NEZHIN AIRFIELD	5105N 03152E NC
ANISOVO GORODISHCHE AIRFIELD	5414N 03422E II
GOMEL/PRIBYTKI AIRFIELD	5218N 03110E NC
BOBRUYSK AIRFIELD	5306N 02912E NC
ANADYR/LENINKA AIRFIELD	6442N 17742E NC
ALEKSEYEVSKOYE AIRFIELD	4915N 14014E I
OSTROV VRANGELYA/SOMNITELNAYA AIRFIELD	7057N 17936W NC
MELITOPOL AIRFIELD	4653N 03518E NC
MIRGOROD AIRFIELD	4956N 03339E NC
USSURIYSK/VOZDVIZHENKA AIRFIELD	4355N 13156E NO
ARTEM AIRFIELD NORTH	4323N 13209E I
OSTROV/GOROKHOVKA AIRFIELD	5718N 02826E NC
RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT	5535N 03807E II
FU-CHIN AIRFIELD WEST (CHINA)	4712N 13156E NC
KU-CHENG AIRFIELD (CHINA)	3730N 11606E NC
LAN-KANG AIRFIELD (CHINA)	4415N 12923E NC
LIN-TUNG AIRFIELD (CHINA)	3423N 10907E NC
PEIPING AIRFIELD CENTRAL (CHINA)	4004N 11635E I
PEIPING/NAN-YUAN AIRFIELD (CHINA)	3948N 11623E I
PEIPING/LAN-TIEN-CHANG AIRFIELD (CHINA)	3958N 11615E I
SHIH-MEN AIRFIELD (CHINA)	3805N 11425E NC
TUNG-HSIEN AIRFIELD (CHINA)	3948N 11642E I
WEN-CHUN AIRFIELD NORTHEAST (CHINA)	4427N 12932E NC
YEN-CHI AIRFIELD NORTH (CHINA)	4254N 12933E NC
LA-LIN AIRFIELD (CHINA)	4514N 12653E NC
HSI-AN AIRFIELD (CHINA)	3415N 10854E NC
NAGCHHU DZONG AIRFIELD (TIBET)	3131N 09143E I
LHASA AIRFIELD (TIBET)	3030N 09107E NO
HO-TIEN AIRFIELD (CHINA)	3701N 07952E NC
SO-CHE AIRFIELD (CHINA)	3825N 07717E NO
PYONGYANG AIRFIELD EAST (NORTH KOREA)	3901N 12550E NC
HWANGJU AIRFIELD (2) (NORTH KOREA)	3839N 12548E NC
HOEMUN-DONG AIRFIELD (NORTH KOREA)	4125N 12939E NC
CHANG-TU AREA, AIRFIELD (TIBET)	3120N 09756E NC
TA-ERH-TING AIRFIELD (CHINA)	3712N 09238E NO
HSI-CHANG AIRFIELD (CHINA)	2755N 10213E NC

NPIC/R-239/63

25X1A

PU-LI AIRFIELD (CHINA)	3745N 07515E NC
KA-ERH-MU AIRFIELD (CHINA)	3645N 09533E NC
CHIA-YU-KUAN AIRFIELD (CHINA)	3951N 09823E I
SEMPAK AIRFIELD (INDONESIA)	0632S 10645E NC
GELLING AIRFIELD (INDIA)	2859N 09453E NO
LI-MA AREA, LANDING STRIP (TIBET)	2834N 09705E NC
YU-SHU AIRFIELD (CHINA)	3255N 09647E NC
KOYUL AIRFIELD (INDIA)	3236N 07912E NC
RUDOG AREA, AIRFIELD (TIBET)	3328N 07940E NC
ASTRAKHAN AIRFIELD NORTHWEST	4625N 04755E NC
YEN-CHI AIRFIELD SOUTH (CHINA)	4253N 12927E NC
CHO-HSIEN AIRFIELD (CHINA)	3928N 11559E I
YEN-LIANG AIRFIELD (CHINA)	3439N 10916E NC

25X2

YEN-KUO HYDROELECTRIC POWER PLANT (CHINA) 3601N 10315E NC

25X2

25X1D

25X2

HSING-LUNG-CHUANG, POSS MINERAL PROCESS (CH) 3658N 10051E NC  
 HSIA-HO PROBABLE RESEARCH INSTITUTE (CHINA) 3515N 10228E NC  
 TAI-YUAN SUSPECT URANIUM METALS PLANT (CHINA) 3753N 11234E I

25X2



TOP SECRET

25X1

NPIC/R-239/63

25X1A 25X2

PECHENGA NAVAL BASE LINAKHAMARI	6939N 03122E	NC
ODESSA NAVAL BASE AND SHIPYARD MARTI	4629N 03044E	NC
CHAN-CHIANG NAVAL BASE (CHINA)	2112N 11025E	NC
CHONGJIN, SUSPECT NAVAL ACTIVITY (NORTH KOREA)	4146N 12949E	NC
TALLINN NAVAL BASE & SHIPYARD MORSKOY ZAVOD	5927N 02444E	NC
AMBOINA PORT FACILITIES (INDONESIA)	0342S 12812E	NC
BATUMI NAVAL BASE & SHIPYARD DZERZHINSKIY	4139N 04138E	NO
NOVOROSSIIYSK NAVAL BASE	4443N 03746E	NC
CONSTANTA NAVAL BASE (ROMANIA)	4409N 02839E	I
MANGALIA NAVAL BASE (ROMANIA)	4348N 02832E	I
POTI NAVAL BASE & SHIPYARD YELYAVA 201	4209N 04139E	II
CHINNAMPO PORT (NORTH KOREA)	3843N 12524E	NC

25X2

TAI-YUAN CHEMICAL PLANTS (CHINA)	3746N 11229E	II
CHU-CHIANG, CHEMICAL PLANT (CHINA)	2454N 11333E	NC

25X2

BARANOVKA, SUSPECT ELECTRONICS FACILITY	4648N 13721E	NO
ANADYR, SUSPECT ELECTRONICS FACILITY	6444N 17728E	NC
SAMODED, SUSPECT COMMUNICATIONS FACILITY	6336N 04028E	NC
HUN-CHUN AIRFIELD SOUTHWEST (CHINA)	4250N 13018E	NC
SHUANG-CHENG-TZU AREA, ELECTRONICS SITE (CH)	4207N 10103E	NC
PYONGYANG/SADONG AREA, MIL INSTALL (NO KOREA)	3900N 12550E	NC
TUNG-AN, MILITARY AREA (CHINA)	4532N 13152E	NC
LU-PIN, MILITARY ACTIVITY (CHINA)	4935N 11726E	NO
TU-KO-MA-CHING ORDNANCE PROVING GROUND (CH)	4051N 10941E	II

TOP SECRET

25X1



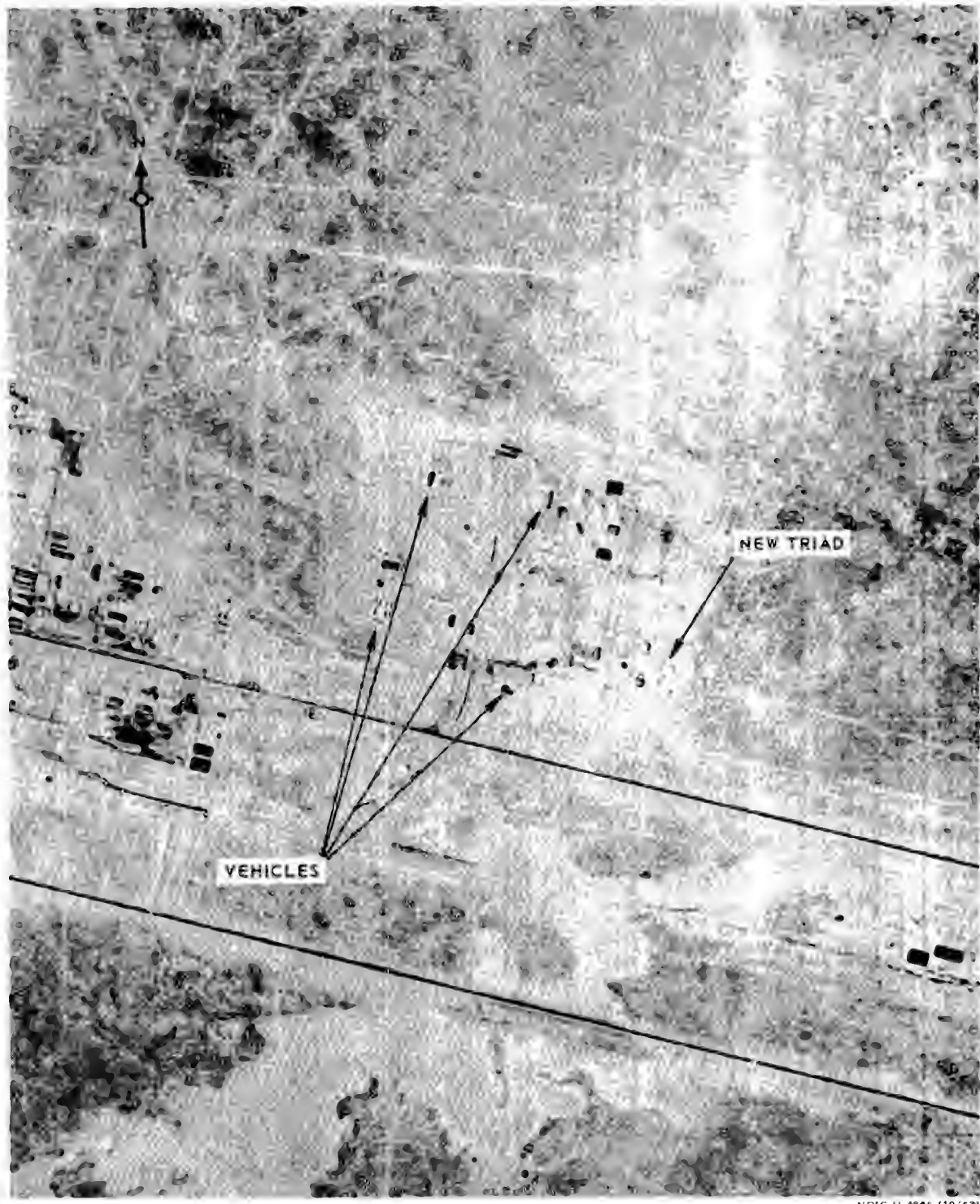
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25X1A

PEIPING COMPLEX (CHINA)	3955N 11623E	II
CHIA-MU-SSU COMPLEX (CHINA)	4649N 13022E	NC
HSI-AN COMPLEX (CHINA)	3417N 10857E	NC
PAO-TOU COMPLEX (CHINA)	4036N 11001E	II
MU-TAN-CHIANG COMPLEX (CHINA)	4435N 12936E	NC
HOENYONG (HOERYONG) COMPLEX (NORTH KOREA)	4226N 12945E	NC
SANGSAMBONG COMPLEX (NORTH KOREA)	4241N 12947E	NC
HUN-CHUN COMPLEX (CHINA)	4252N 13021E	NC
CHONGJIN AREA, MILITARY INSTALL (NORTH KOREA)	4146N 12946E	NC
TUNG-NING COMPLEX (CHINA)	4401N 13114E	NO
MU-LENG COMPLEX (CHINA)	4432N 13014E	NC
NORILSK COMPLEX	6920N 08812E	NO
ANADYR COMPLEX	6444N 17731E	NC
MYS SHMIDTA COMPLEX	6854N 17927W	II
CHING-YANG, HYDROELECTRIC POWER PLANT (CHINA)	3431N 10852E	NC
LOP NOR AREA, CIRCULAR GROUND SCAR (CHINA)	4045N 08940E	II
SHESTOVO POSSIBLE MISSILE ASSOCIATED INSTAL	6258N 04011E	NO
SHESTOVO POSSIBLE MISSILE ASSOCIATED INSTAL	6257N 04013E	NO
JAO-HO NATL DEF LINE CONSTR (CHINA)	4713N 13343E	NC

25X1D

NPIC/R-239/63  
ATTACHMENT I



LAUNCH COMPLEX C, TYURA TAM MISSILE TEST CENTER, USSR

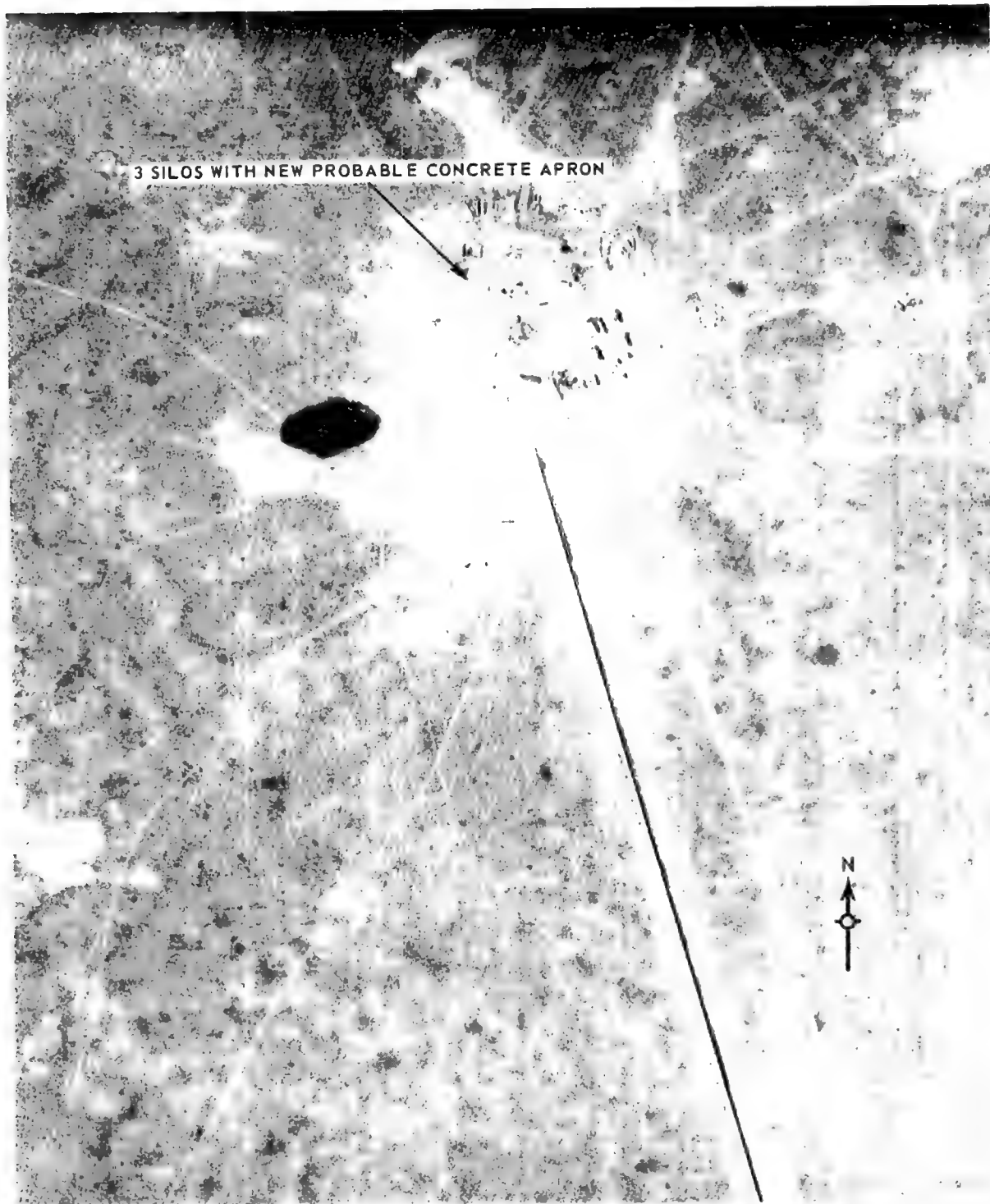
NPIC H-4866 (10/63)

25X1D

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Approved For Release 2002/11/01 : CIA-RDP78B04560A000900010011-7

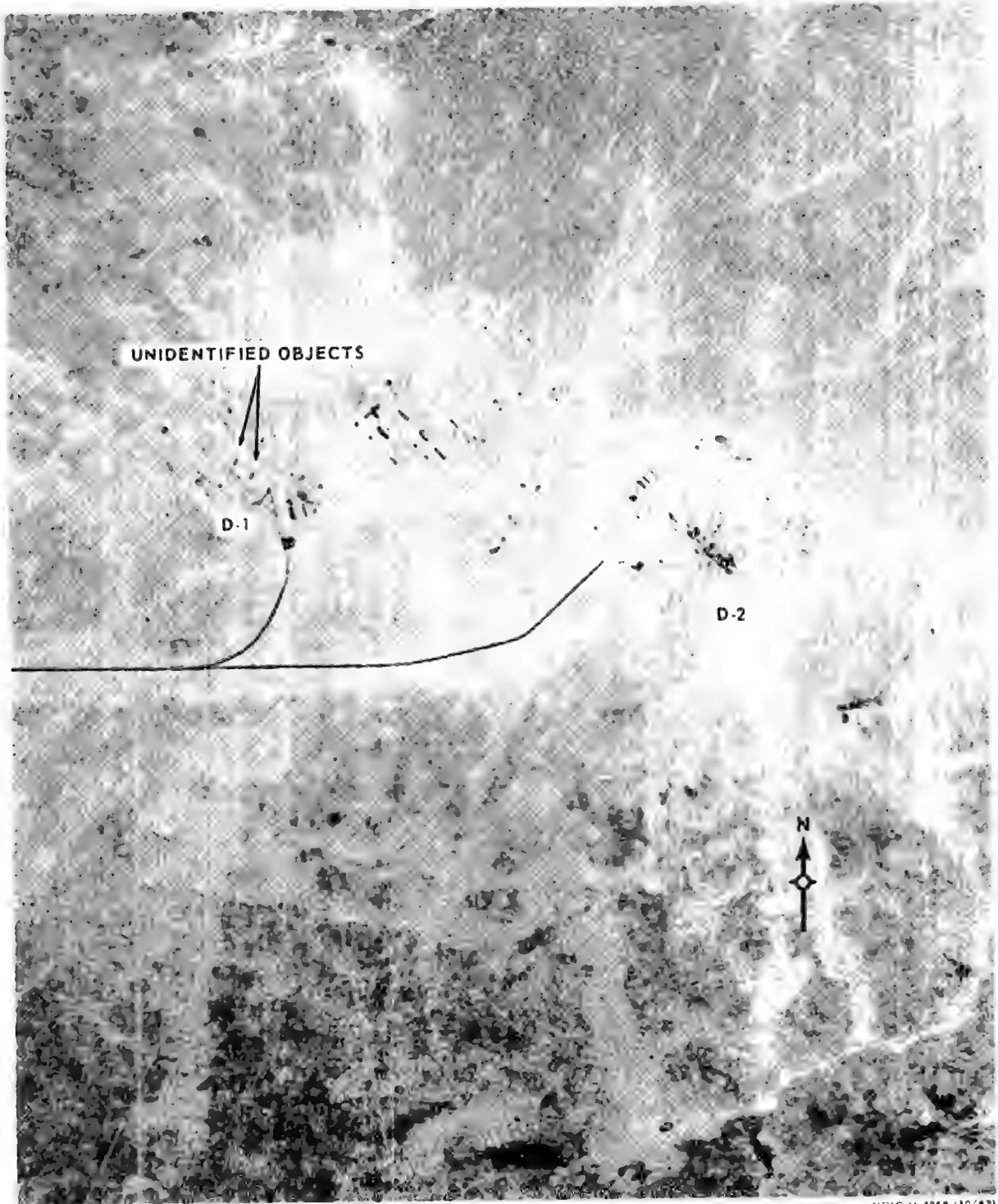
NPIC/R-239/63  
ATTACHMENT 3



LAUNCH COMPLEX F, TYURA TAM MISSILE TEST CENTER, USSR

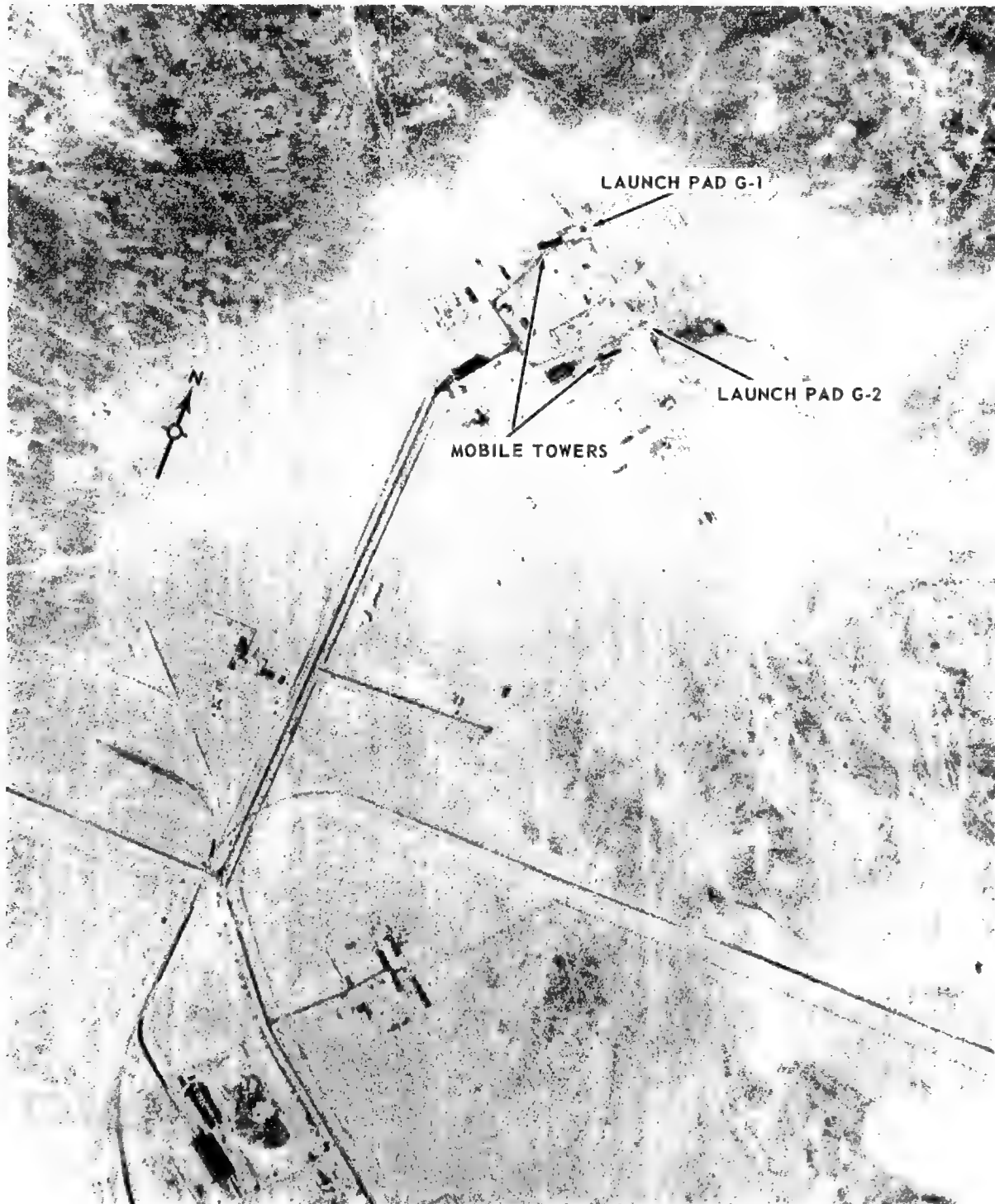
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ATTACHMENT 4



LAUNCH COMPLEX D, TYURA TAM MISSILE TEST CENTER, USSR

NPIC/R-239/63  
ATTACHMENT 5

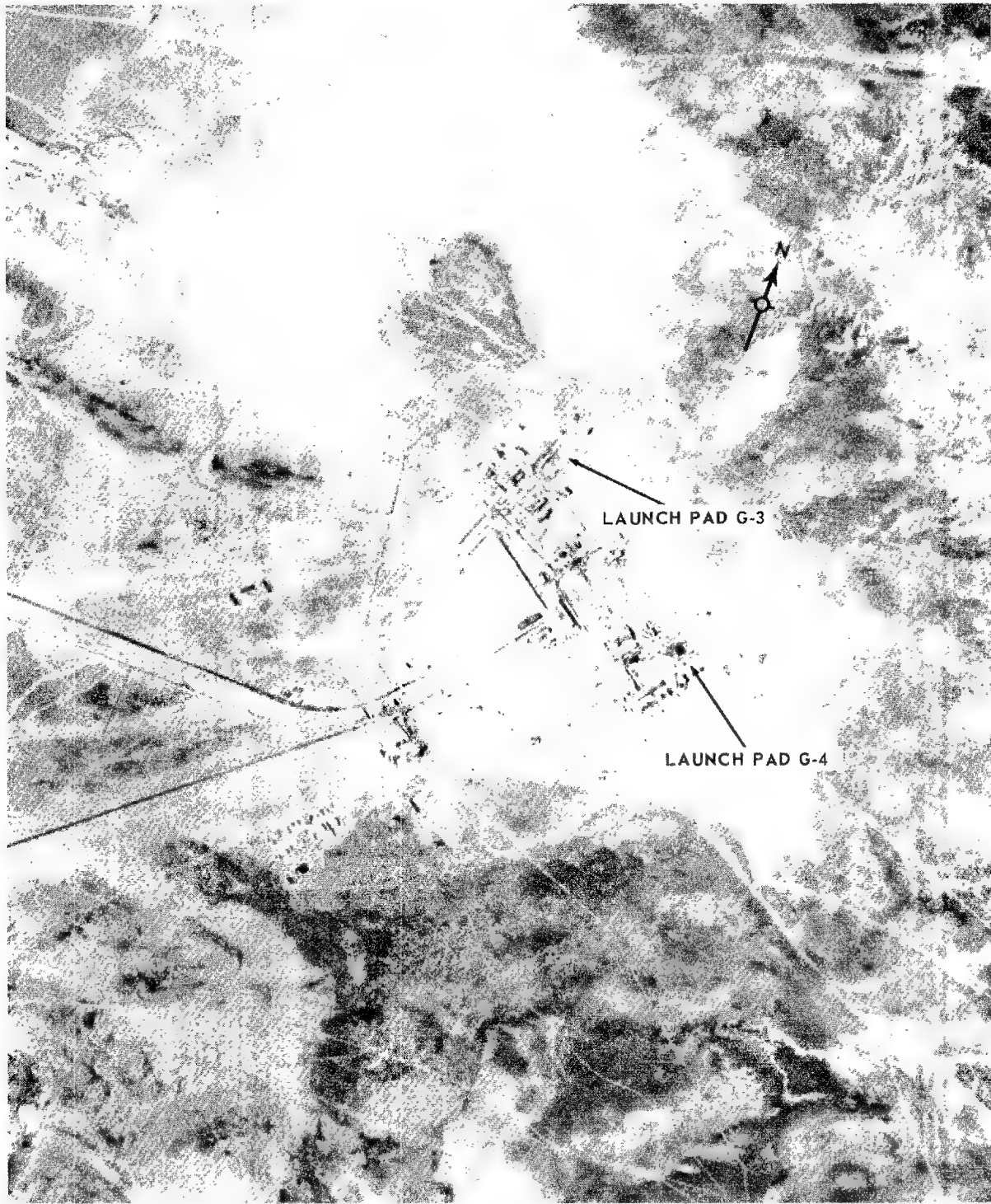


LAUNCH COMPLEX G, TYURA TAM MISSILE TEST CENTER, USSR

NPIC H-4870 (10/63)



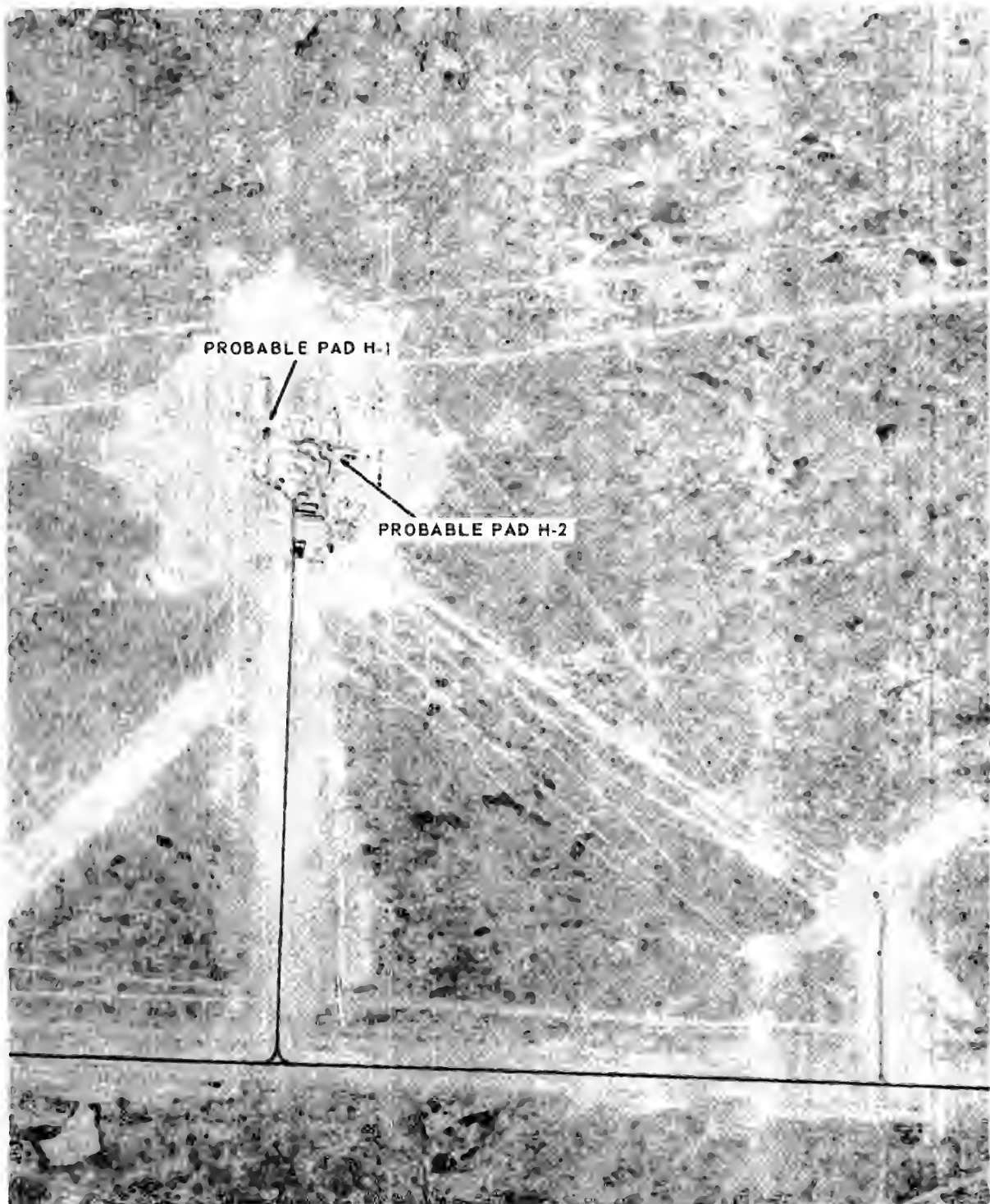
NPIC/R-239/63  
ATTACHMENT 6



LAUNCH COMPLEX G, TYURA TAM MISSILE TEST CENTER, USSR

NPIC H-48/1 (110/63)

NPIC/R-239/63  
ATTACHMENT 7



LAUNCH COMPLEX H, TYURA TAM MISSILE TEST CENTER, USSR

NPIC H-4872 (10/63)



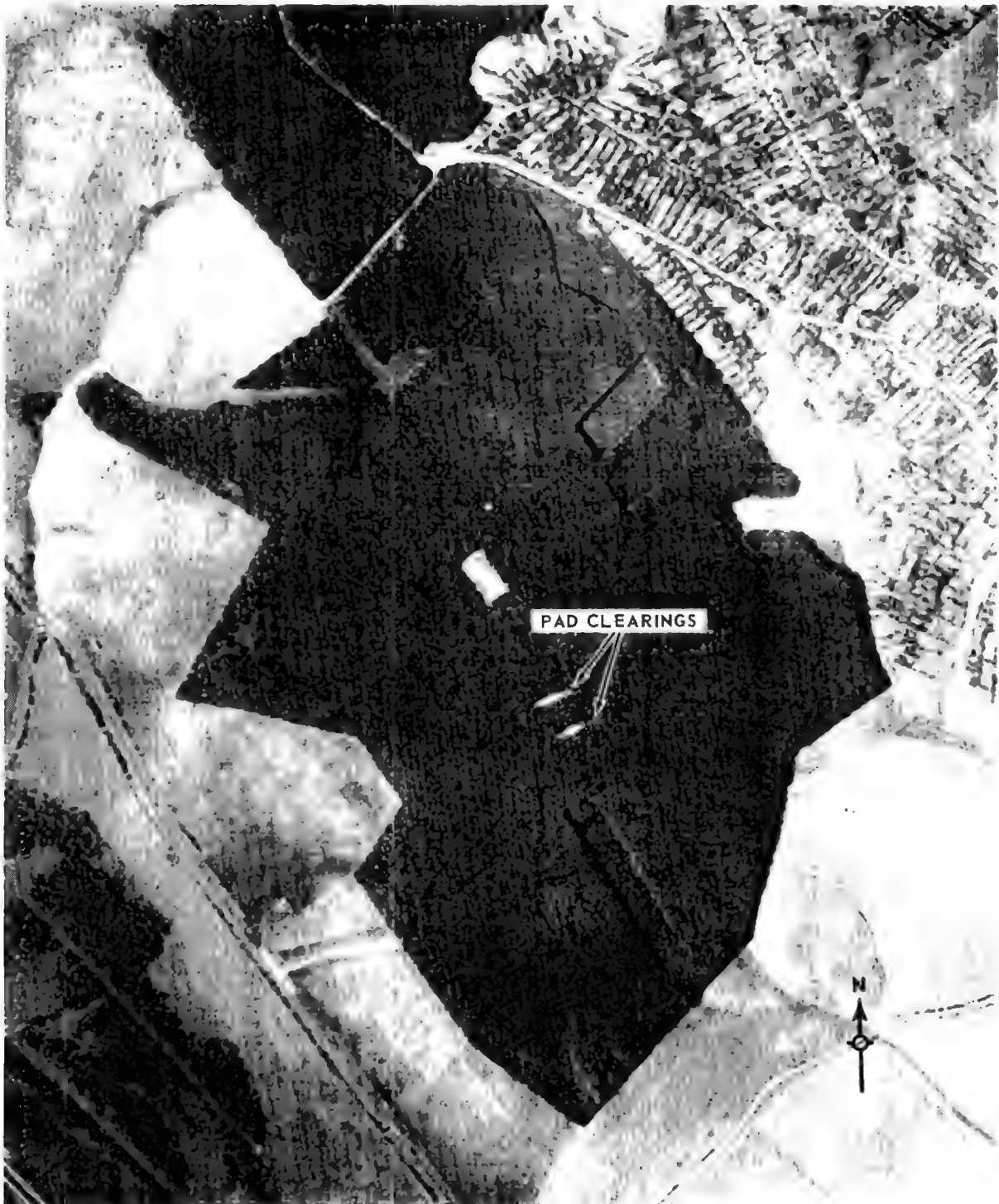
NPIC/R-239/63  
ATTACHMENT 8



NPIC H-4864 (10/63)

FIXED FIELD-TYPE MRBM LAUNCH SITE NEAR YARMOLINTSY, USSR

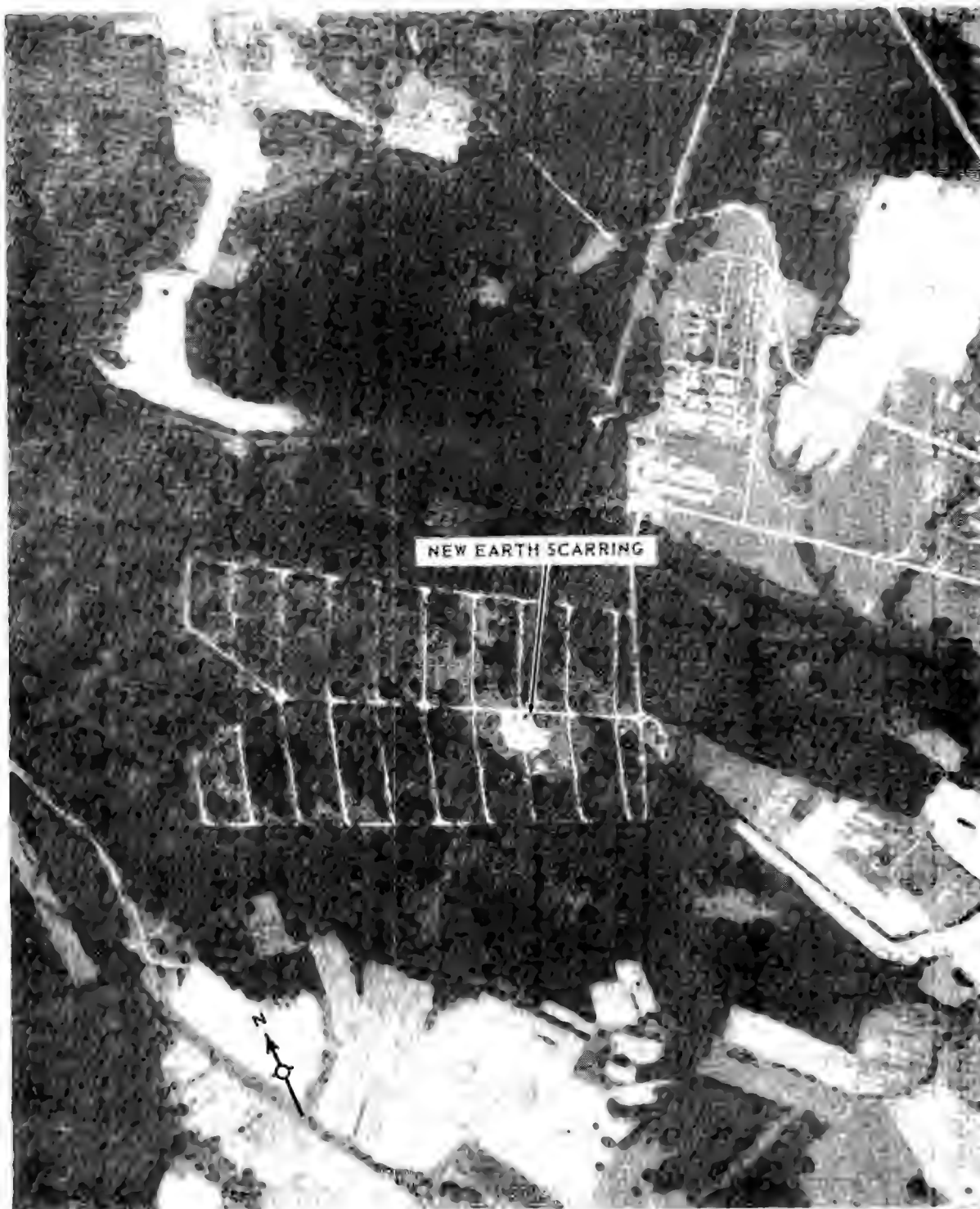
NPIC/R 239/63  
ATTACHMENT 9



FIXED FIELD TYPE MRBM LAUNCH SITE NEAR KHMELNITSKIY, USSR

NPIC/R 239/63 TO W-3

NPIC 'R-239 63  
ATTACHMENT 10



MOSCOW SA-T SAM SITE C-33, USSR

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NPIC/R 230/63

ATTACHMENT 11

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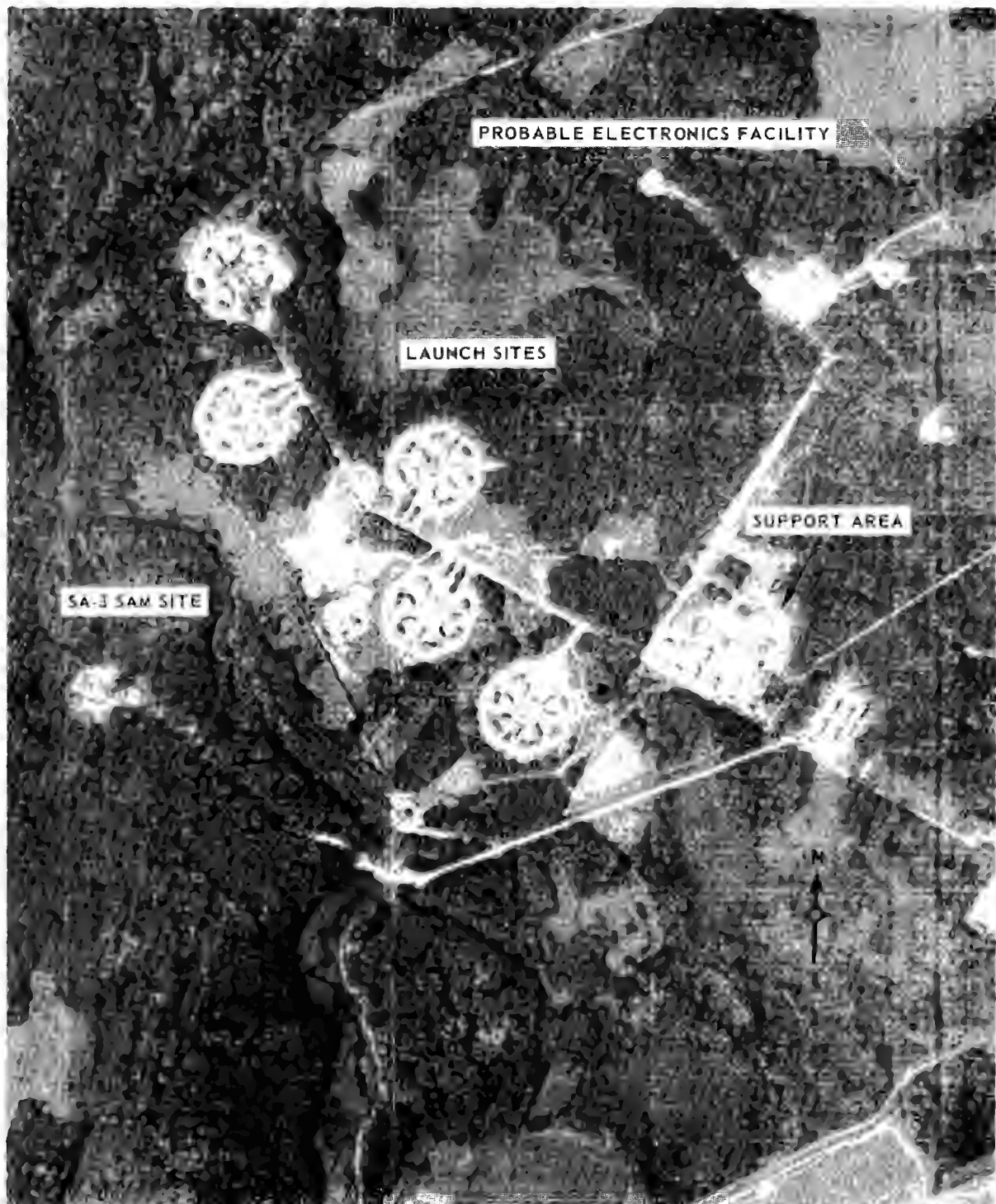
25X1D

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NPIC P 039 63  
ATTACHMENT 13



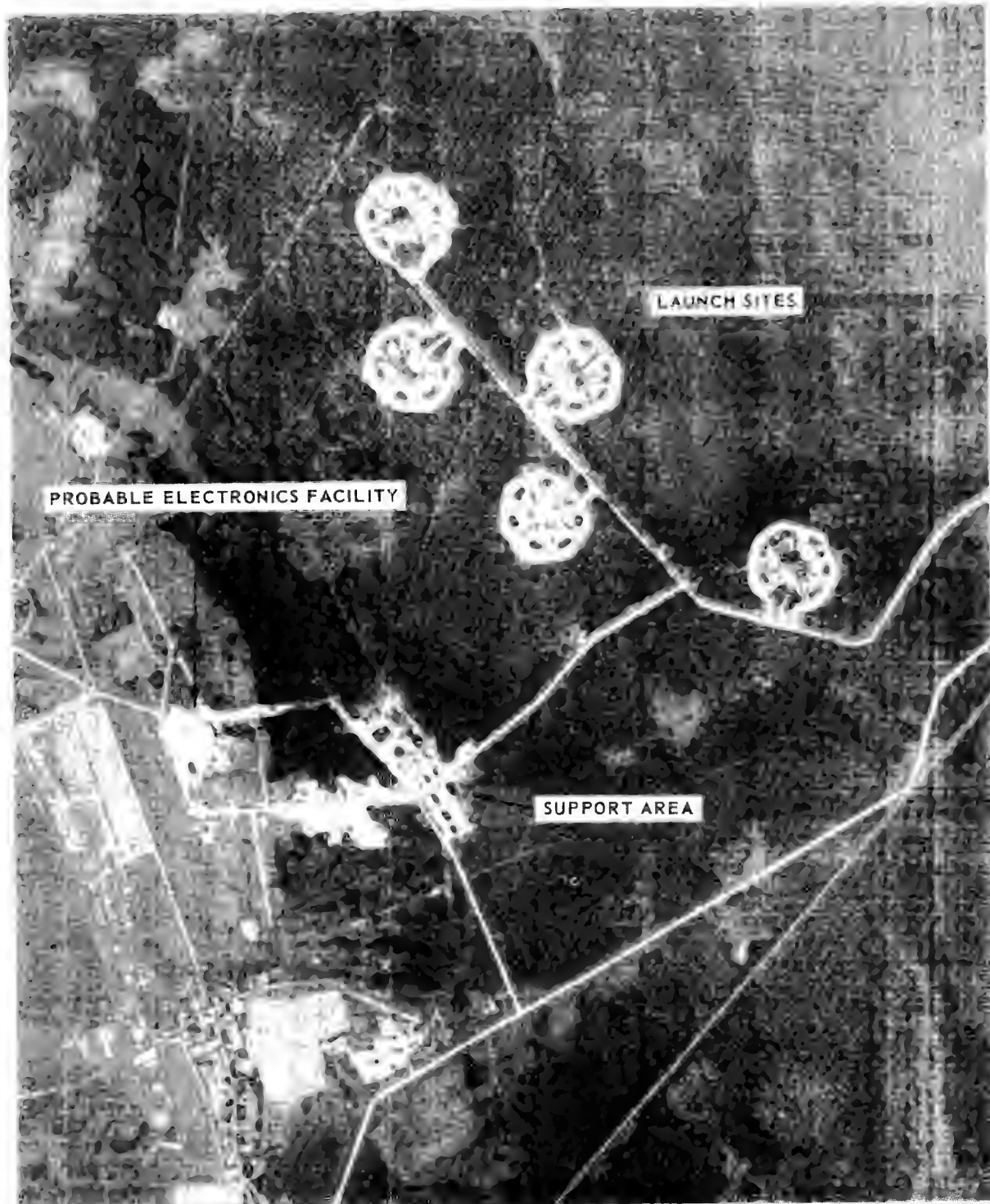
SOUTHWEST PROBABLE AMM LAUNCH COMPLEX, LENINGRAD, USSR

NPIC P 039 63

TOP SECRET

25X1

NPIC R 239 63  
ATTACHMENT 14

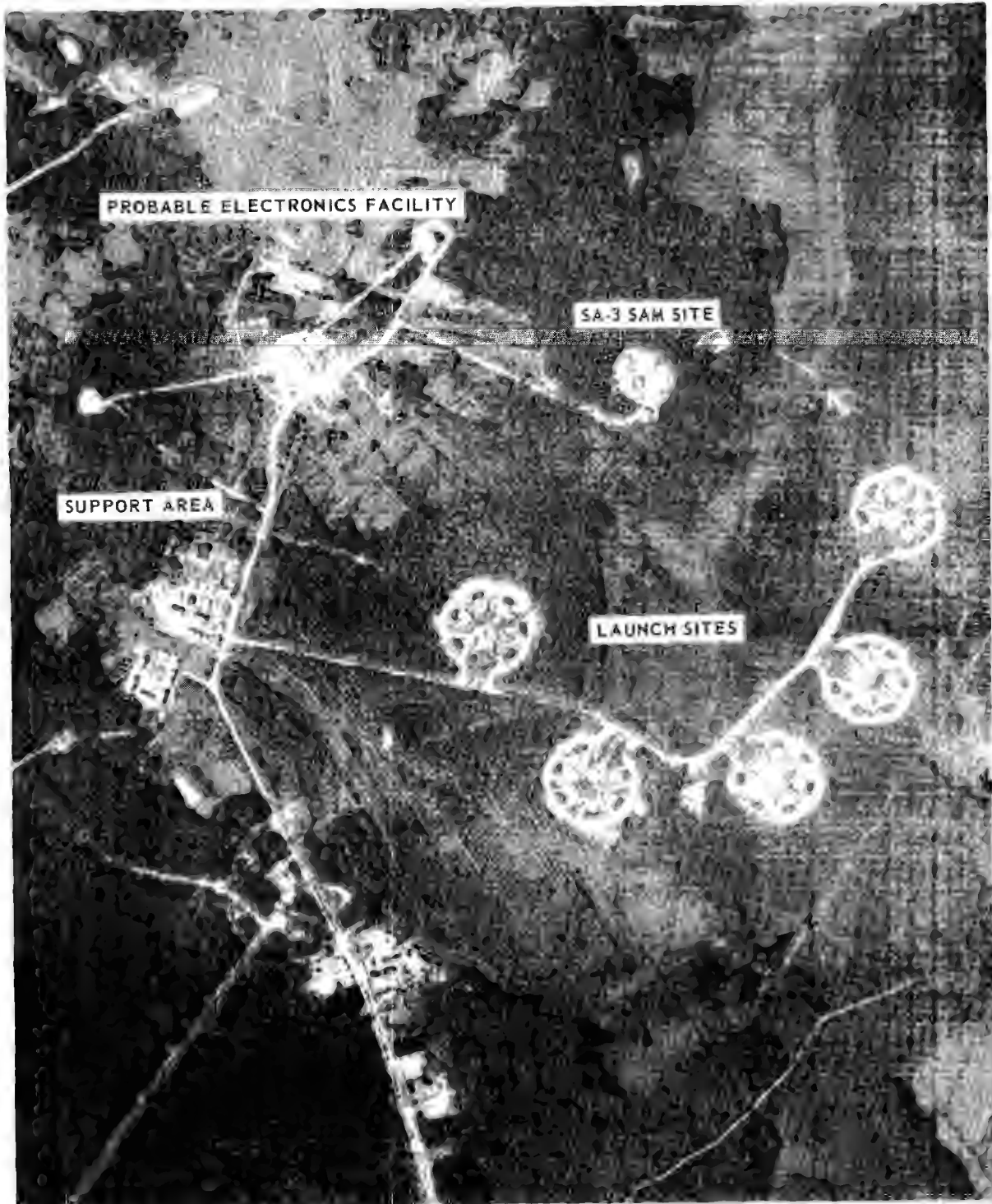


NORTHEAST PROBABLE AMM LAUNCH COMPLEX, LENINGRAD, USSR

TOP SECRET

25X1

NPIC 'R-239 63  
ATTACHMENT 15



NPIC 'R-239 63

NORTHWEST PROBABLE AMM LAUNCH COMPLEX, LENINGRAD, USSR



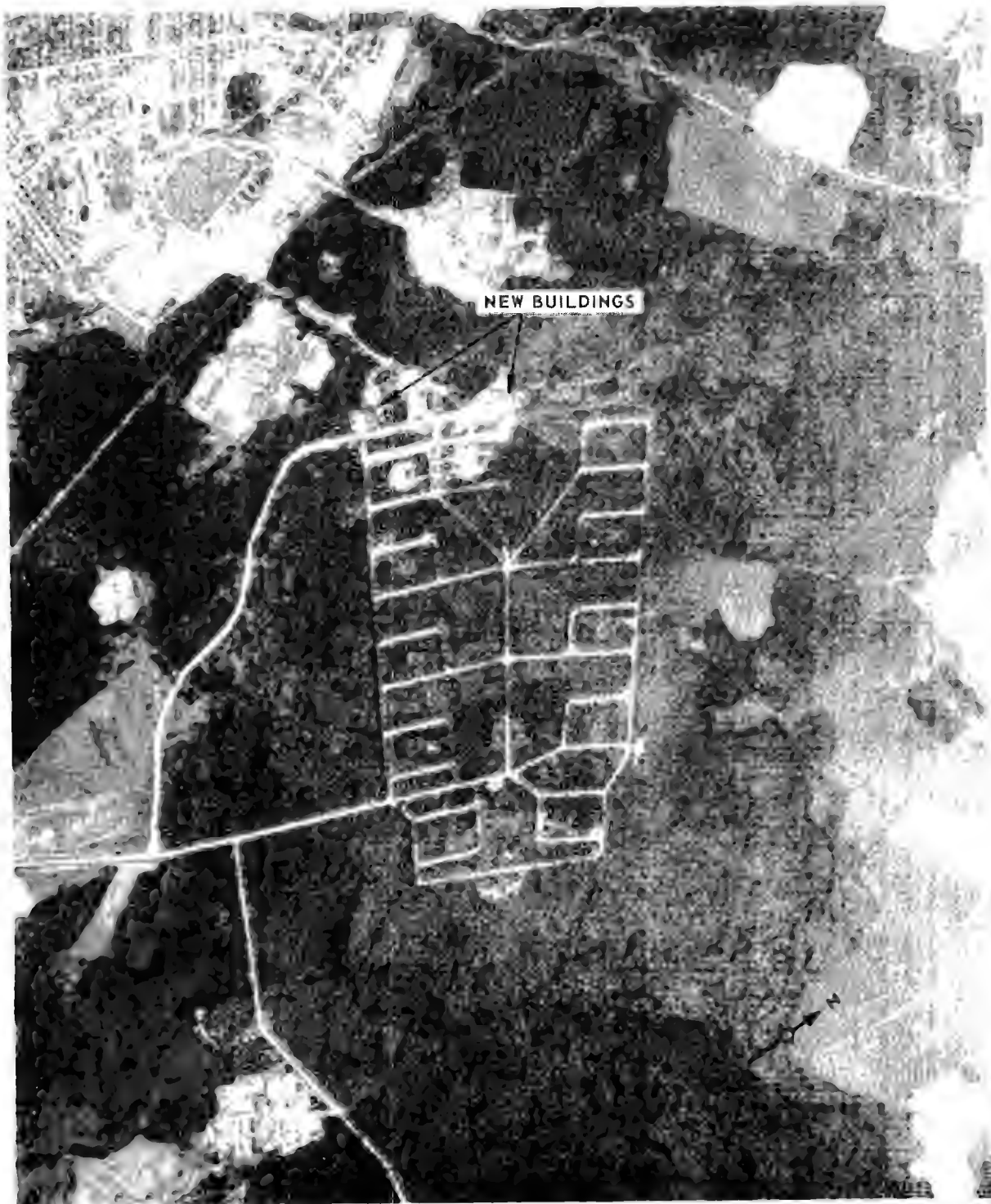
NPIC R 23/63  
ATTACHMENT 16



MOSCOW SA-1 SAM SITE E-05, USSR

NPIC R 4N/0 (10 63)

NPIC R-239 63  
ATTACHMENT 17



MOSCOW SA-1 SAM SITE E-33, USSR

NPIC R-239 63

NPIC/R 239 '63  
ATTACHMENT 18



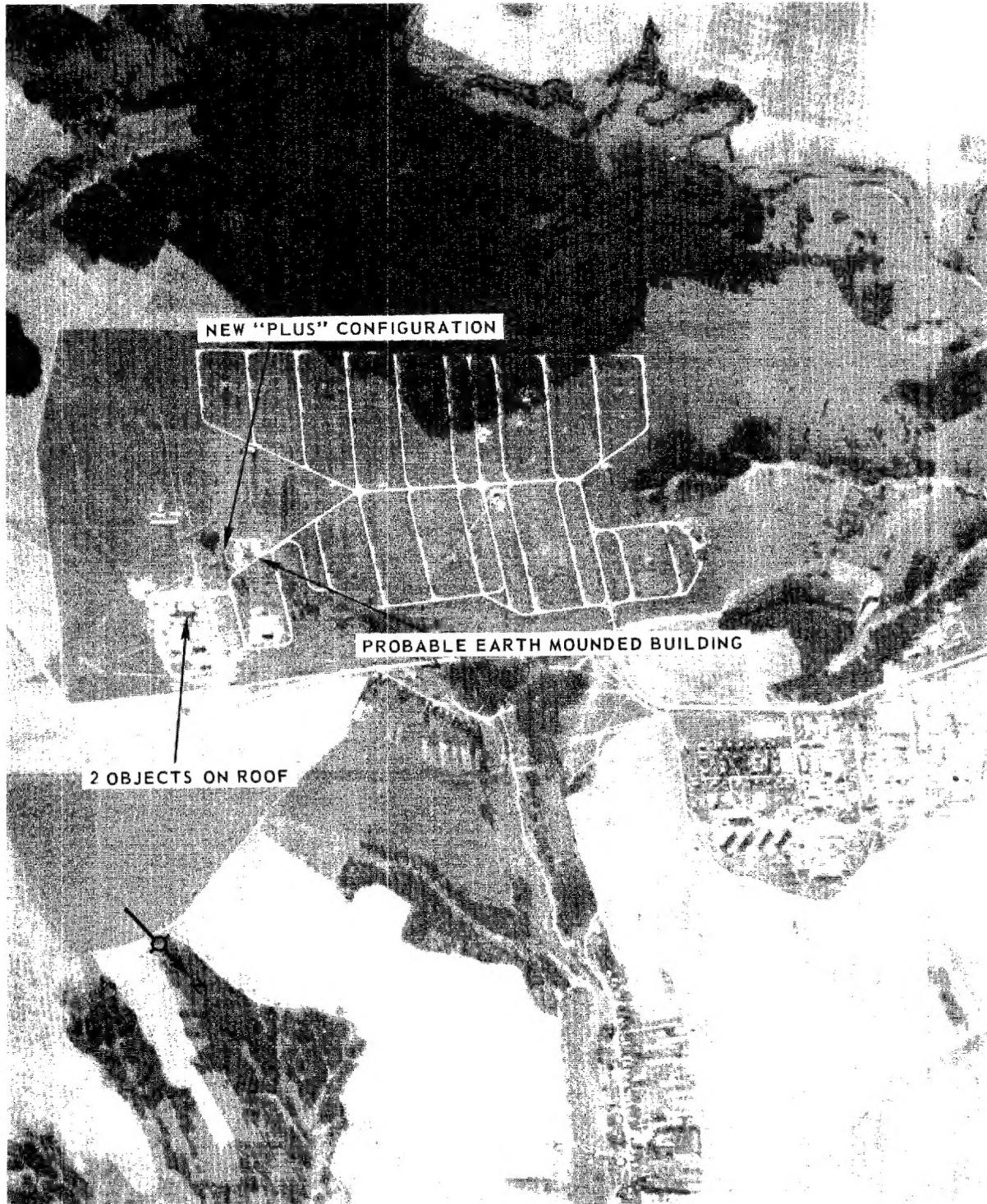
T SHAPED GROUND PATTERN

MOSCOW SA-1 SAM SITE E-24, USSR

NPIC: H 4881 (10/63)



NPIC R 229 63  
ATTACHMENT 19



MOSCOW SA-1 SAM SITE E-15, USSR

NPIC R 229 63

25X2

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Next 2 Page(s) In Document Exempt

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